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SUMMARY OF RAWINSONDE MEASUREMENTS OF TEMPERATURES,
PRESSURE HEIGHTS, AND WINDS ABOVE 50,000 FEET
ALONG A FLIGHT-TEST RANGE IN THE
SOUTHWESTERN UNITED STATES

By Terry J. Larson and Harold P. Washington

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Edwards, Calif.

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
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SUMMARY

An investigation was conducted of the temperatures, pressure heights, and winds from data of four rawinsonde stations in the 100-millibar to 2-millibar pressure region (altitudes of approx. 50,000 to 140,000 ft) along a flight-test range in the southwestern United States. This range, referred to as High Range, extends from Edwards, Calif., to Wendover, Utah, to accommodate flights by the X-15 and other high-performance craft. Comparisons of the average temperatures and pressure heights are made with those of the U.S. Extension to the ICAO Standard Atmosphere.

In the 100-millibar to 10-millibar range the largest differences between the yearly average temperatures of the stations and the temperatures of the U.S. Extension to the ICAO Standard Atmosphere are at 100 millibars and 25 millibars. In the 10-millibar to 3-millibar range, the differences between the yearly average temperatures of the Edwards station and the temperatures of the U.S. Extension to the ICAO Standard Atmosphere increased with altitude. In this range the temperatures of the Edwards average sounding are lower than the temperatures of the Standard Atmosphere.

In the 100-millibar to 10-millibar range the largest differences between the yearly average pressure heights of the stations and the pressure heights of the U.S. Extension to the ICAO Standard Atmosphere do not exceed 1,000 feet and for most levels are 500 feet or less. Equally as good agreement is observed for the Edwards station in the 10-millibar to 3-millibar range.

In the 100-millibar to 10-millibar range the pressure heights averaged for all the stations are higher in July and lower in January than the pressure heights of the U.S. Extension to the ICAO Standard Atmosphere, with the maximum difference of about 1,500 feet occurring in July.

The extreme maximum wind speed observed was 115 knots, which occurred during April at an altitude of 50,000 feet at Edwards.

INTRODUCTION

For successful flight planning and flight testing of the X-15 and other modern high-performance aircraft along a flight-test range designated as High Range, accurate knowledge of the properties and flow conditions of the atmosphere is often imperative. An investigation was made of the temperatures, pressure heights, and winds along High Range, inasmuch as the values of atmospheric properties obtained from "standard atmospheres" are not always adequate because of the established existence of time and spatial variations.

Since most of the flight operations along High Range will be above an altitude of 50,000 feet and since considerable information is available below this altitude, the lower altitude limit in the investigation is taken at the 100-millibar level (slightly above 50,000 ft). The upper altitude limit is at the 2-millibar level (approx. 140,000 ft), the highest level reached by any of the balloons from which data were obtained. However, most of the data are confined to the 50,000-foot to 100,000-foot region. Since some of the High Range meteorological problems are not well defined, only the more general data variations are given in this paper. These data are presented in a summary form which lends itself to further analysis by persons who are concerned specifically with the meteorological problems along High Range and also by those who have other meteorological interest in the data. Included are comparisons of average soundings of temperatures and pressure heights with the U.S. Extension to the ICAO Standard Atmosphere (ref. 1).

Acknowledgment is made to Detachment 21 of the 4th Weather Group, U.S. Air Force, for providing basic data for the Edwards station and to the National Weather Records Center for their services in processing original observational data from the three other stations.

SYMBOLS

| | |
|----------------------|-----------------------------------------------------------------------------------------------|
| cpd | cumulative probability distribution, (percent of cases above or below a given value), percent |
| $\Delta\bar{d}_{24}$ | average 24-hour change in wind direction, deg |
| $\Delta d_{24\max}$ | maximum 24-hour change in wind direction, deg |
| ff | wind speed, knots |
| $\Delta\bar{f}_{24}$ | average 24-hour change in wind speed, knots |

| | |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| $\Delta f_{24\text{max}}$ | maximum 24-hour change in wind speed, knots |
| h | geometric altitude, ft |
| p | pressure, millibars ($1 \text{ mb} = 10^3 \text{ dynes/cm}^2$) |
| ph | pressure height (geometric altitude at which a given atmospheric pressure is found at a given time for a particular latitude and longitude), ft |
| $\bar{\Delta ph}_d$ | average diurnal pressure-height change, ft |
| $\bar{\Delta ph}_{24}$ | average 24-hour change in pressure height, ft |
| $\Delta ph_{24\text{max}}$ | maximum 24-hour change in pressure height, ft |
| T | temperature, $^{\circ}\text{C}$ |
| $\bar{\Delta T}_d$ | average diurnal temperature change, $^{\circ}\text{C}$ |
| $\bar{\Delta T}_{24}$ | average 24-hour change in temperature, $^{\circ}\text{C}$ |
| $\Delta T_{24\text{max}}$ | maximum 24-hour change in temperature, $^{\circ}\text{C}$ |

SCOPE OF DATA

Four appropriate rawinsonde stations were selected to afford coverage of the range. Figure 1 shows the locations of these stations with respect to High Range. Data for the Edwards station were obtained from Detachment 21 of the 4th Weather Group, U.S. Air Force. These data are from soundings made during 1954 to 1958 and are for altitudes up to the 2-millibar level. Data from the three other stations, Las Vegas and Ely, Nev., and Salt Lake City, Utah, were obtained from the National Weather Records Center. These data are from soundings for 1956 and 1957 and are for altitudes up to the 7-millibar level. Since data for Salt Lake City were unobtainable for the first seven months of 1956, data from the nearby Ogden, Utah, station were substituted for this period.

All data except Edwards wind data are presented for the pressure levels of 100, 80, 60, 40, 30, 20, 15, 10, 9 . . . 2 millibars, with most of the data in the 100- to 15-millibar range. Figure 2 shows the relationship of pressure in millibars to altitude as determined from the U.S. Extension to the ICAO Standard Atmosphere.

For other than the diurnal variations, that is, variations due to time of day, the data presented for any one station are for only one sounding during a given day. For the Edwards data the soundings were scattered throughout the daylight hours, with most occurring at 1800 G.m.t. For the Ely and Las Vegas stations the data presented for pressure levels in the 100- to 30-millibar range are for 1500 G.m.t. from January 1956 to May 1957, and 1200 G.m.t. from June 1957 to December 1957. For the Salt Lake City and Ogden stations the data are for 1800 G.m.t. and 1500 G.m.t. for the same levels and periods. For these four stations the amount of data at any reporting time is considerably less at altitudes at and above the 20-millibar level than at lower altitudes; therefore, unless otherwise indicated, at these higher altitudes data for other than the times previously specified are included. No more than one sounding per day was used in any instance; if two or more soundings were available for a particular day, the sounding closest to the time of the sounding used for lower levels was chosen.

In cases of singularities, it was not always possible to check for errors on the basis of previous or subsequent soundings.

ACCURACY

In the discussion of radiosonde errors, presented in reference 2, ample evidence is given to justify the common practice of assuming that the standard deviation of the temperature error is $\pm 1^{\circ}$ C for altitudes up to about 50,000 feet and that the errors may increase above this altitude. However, as pointed out in reference 3, in the U.S. Weather Bureau-Air Force radiosonde network most of the temperature readings above a height of 100 millibars are accurate within 1.5° C to 2.0° C, based on an analysis of systems errors. Some of the overall temperature error is caused by the direct exposure of the temperature-measuring elements to the sun. This error increases slightly with altitude from about 0.2° C at the 100-millibar level to about 0.5° C at the 20-millibar level (see ref. 4). This temperature error will also cause errors in calculations of pressure heights and heights of winds, which may cause maximum errors of 50 feet and 100 feet, respectively. According to reference 2, an acceptable value of the standard deviation of the pressure error is ± 3 millibars below 50,000 feet and somewhat less above 50,000 feet.

By applying a temperature error of 1° C and a pressure error of 3 millibars to ascertain the corresponding overall errors in computed pressure heights and heights of winds, it was found that at 100 millibars the standard deviation of the errors is 229 feet for the pressure heights and 477 feet for the heights of winds. These calculations were based on

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a mean of 508 soundings between 9° N and 65° N (ref. 2). Similarly, the errors for 10 millibars are 456 feet for pressure heights and 3,173 feet for heights of winds.

The accuracy of the wind-speed data depends on the altitude and elevation angle at which these data were obtained. Reference 5 states that the accuracy of wind speed as obtained from the AN/GMD-1A rawin set for 50,000 feet is 1.8 knots, 7.0 knots, and 16.0 knots at elevation angles of 20°, 10°, and 6°, respectively. The wind-speed data of this paper were obtained from this model for all the stations except Las Vegas, which has the prototype set, the AN/GMD-1. As the error in wind speed increases with altitude for a given elevation angle, the errors occasionally can be very large at the higher altitudes. However, a brief study of 182 soundings from Edwards, indicating that above 50,000 feet the elevation angle usually increases as altitude increases, shows that less than 3 percent of the winds were measured at elevation angles of 10° or less at 90,000 feet in comparison to 13 percent at 50,000 feet.

According to tests made at the NASA Langley Research Center (ref. 6) the differences between wind directions computed for a modified SCR-584 radar-phototheodolite system and an AN/GMD-1 rawin system for simultaneous 1-minute observing intervals amounted to root-mean-square values of about 4°. It is expected that this value would be smaller if the tests had been made on the improved AN/GMD-1A model.

PRESENTATION OF DATA

Presented in table I are the total number of temperatures, pressure heights, and winds reported from the stations for the levels used in this paper.

Tables II, III, and IV present the temperature, pressure height, and wind-speed data, respectively. The number of cases observed and the cumulative probability distribution are given at the various pressure levels for each of the stations, with one exception: The Edwards wind data of table IV are given for geometric altitude in increments of 10,000 feet rather than for pressure levels as for the other stations. This deviation was made inasmuch as the Edwards data were directly attainable in the geometric-altitude form. As pointed out in reference 7, for summary data standard deviations and means can be obtained quickly and seasonal and altitude variations can be noted easily by the use of the cumulative probability distribution. The basic wind-direction data are given in table V in a form similar to the preceding tables except that simple percentages are presented for the probability distribution, since use of the cumulative form is not appropriate for wind-direction

data. The data of these tables are tabulated for the four seasons: winter (December, January, February), spring (March, April, May), summer (June, July, August) and fall (September, October, November). For these tables the temperature range for the entries is 1° C; the pressure-height ranges are 200 feet from the 100-millibar level to the 15-millibar level, and 400 feet above the 15-millibar level; the wind-speed range is 5 knots; and the wind-direction range is 22.5° azimuth corresponding to the standard 16 points of the wind rose.

Tables VI, VII, VIII, and IX show the average and maximum 24-hour changes in temperature, pressure height, wind speed, and wind direction, respectively, for selected pressure levels for all the stations except Edwards. Data are presented for January, April, July, and October, representing the four seasons. The average and maximum temperature values are given to the nearest 0.1° C and 1° C, respectively; the pressure-height values are given to the nearest 10 feet; and the wind-speed and wind-direction values are given to the nearest knot and degree, respectively.

Tables X and XI show the average diurnal changes and average six-hour changes in temperatures and pressure heights, respectively, for Salt Lake City for months representative of the different seasons. The temperatures are given to the nearest 0.1° C, and the pressure heights are given to the nearest 10 feet.

DISCUSSION OF RESULTS

Temperatures

Figure 3 shows the average, maximum, and minimum temperatures for the four stations for the 12 months at various pressure levels. It can be seen that at the 100-millibar level the temperatures are lower in summer than in winter. Above the 100-millibar level the average temperatures are predominantly lower in winter than in summer. It also can be seen that the seasonal temperature variations, for the most part, increase with altitude, and that for all levels, in general, the temperature range is smallest in summer. The maximum temperature range found at any pressure level is 35° C for Edwards at 20 millibars.

A comparison of the temperatures at identical times on consecutive days shows short-period variations, referred to as 24-hour temperature changes. It can be seen from table VI that the average 24-hour changes are small, with the largest being 4° C. The average changes are in most cases less than 2° C at altitudes corresponding to 60 millibars and higher, which agrees with reference 8 for altitudes between 60,000 feet

and 95,000 feet for four North American radiosonde stations. However, reference 3 reports that at the 10-millibar level the average 24-hour changes were substantially larger than at lower levels.

To study diurnal temperature variations, data from the Salt Lake City station were used, since this was the only station which consistently had four daily reporting times. Table X shows the results of this brief study for January 1957 and July 1957. The 6-hour temperature changes and diurnal temperature changes have been averaged for each month at each level. The diurnal temperature change corresponds to the maximum temperature difference observed for the four reporting times. Although the sampling is limited, it is adequate to show that the approximate diurnal temperature ranges are small and are comparable to the results of reference 4. This reference presents average diurnal temperature variations for different pressure levels up to the 50-millibar level for winter and summer based on 5 years of data from 15 radiosonde stations located in a latitude range of 30° N to 45° N. The true average diurnal ranges for the particular cases in table X may be less than indicated because of the aforementioned slight temperature errors caused during daylight hours by direct exposure of the temperature-measuring elements to the sun.

Figure 4 shows a comparison of the average temperature soundings for the different months up to the 10-millibar level for the four stations and also a comparison with the temperature-altitude relationship of the U.S. Extension to the ICAO Standard Atmosphere. The observations used in obtaining the averages for the various levels were taken from table II. The average soundings of the stations for particular levels show significant differences. For most months, up to the 40-millibar level, Salt Lake City has the warmest temperatures and Edwards has the coldest. The maximum difference for any particular level is about 6° C. A comparison of the stations' average soundings with the Standard Atmosphere curve shows they compare more favorably in the winter than in the summer for the altitude range investigated. At the 100-millibar level soundings of the stations vary from less than 1° C warmer than the Standard Atmosphere curve in April to 11° C colder during September. At the 25-millibar level a significant temperature difference is also apparent between the stations' average soundings and the Standard Atmosphere curve from April to September. For these months the difference between the mean of the stations' soundings and the Standard Atmosphere curve at this level varies from 6° C to 10° C, with the Standard Atmosphere temperatures the colder.

Figure 5(a) shows the variation with pressure of the yearly average temperatures at the various pressure levels for each station. These data are averaged from the data presented in table II. From this figure, for which there is a significant amount of data (up to the 20-millibar level), it can be seen that the maximum differences in the average

temperatures along High Range occur in the 100- to 80-millibar region and amount to about 4° C, with the northern end the warmer. For the altitude region considered, the Standard Atmosphere temperature-altitude curve agrees well with the mean of the stations' soundings; the maximum differences between the mean of the stations' soundings and the Standard Atmosphere temperature-altitude curve occur at the 100- and 25-millibar levels and amount to about 6° C and 5° C, respectively.

Inasmuch as temperature data above the 10-millibar level were insufficient for the other stations, the Edwards average temperature sounding above the 10-millibar level is compared with the temperature-altitude curve of the U.S. Extension to the ICAO Standard Atmosphere in figure 5(b). It is seen that the differences between the two curves become increasingly large with altitude. At 3 millibars the Edwards sounding is about 21° C colder than the Standard Atmosphere temperature. For this altitude range the accuracy of the radiosonde pressures and temperatures is questionable. However, since the curve presented for Edwards is based on a significant number of observations up to about the 4-millibar level, it is believed to be a fair representation of the temperature variation at these altitudes. Additional support is afforded by the fact that the temperature-lapse rate for the Standard Atmosphere temperature curve from the 25-millibar level to the 10-millibar level is steeper than the lapse rate of the average temperature soundings of the four stations in this region (fig. 5(a)).

Shown in figure 5(c) are the 24-hour temperature changes averaged for all observations of table VI at the various pressure levels. The average 24-hour temperature change decreases with altitude from a mean of about 2.2° C per 24 hours at 100 millibars to a mean of about 1.3° C per 24 hours at 30 millibars.

Pressure Heights

Figure 6 shows the average, maximum, and minimum pressure heights for the four stations for the 12 months at the various pressure levels. The highest average pressure heights are recorded in the summer months, and the lowest average pressure heights are observed in the winter months for all levels. As can be readily seen, the seasonal variation is more pronounced at the higher levels investigated, and the pressure heights for the winter months generally have a larger range for any specific pressure.

The average 24-hour pressure-height changes for the different seasons (table VII) were found to vary from about 100 feet to 200 feet for all months and levels investigated. The maximum 24-hour pressure-height change observed was 1,000 feet, which occurred at Las Vegas in

April at the 40-millibar level. For most of the levels investigated, July had the minimum average 24-hour pressure-height change.

The average diurnal variations (table XI) show that the pressure heights are usually higher in the daylight hours than for hours of darkness. Also, the variations are generally larger in the upper levels. The maximum average diurnal change of 570 feet is found for April at the 40-millibar level. Although the figures presented are the results of a small sampling, especially above the 60-millibar level, they are comparable with results obtained in reference 9. The temperature errors caused by direct exposure of the temperature-measuring elements to sun-light may cause the diurnal pressure-height ranges of table XI to be too high, as noted in the section on ACCURACY.

Figure 7(a) shows a comparison of the yearly average pressure heights for all levels and stations with the pressure-altitude curve of the U.S. Extension to the ICAO Standard Atmosphere. The agreement between the curves is relatively good; the maximum difference does not exceed 1,000 feet and, for most levels, is 500 feet, or less. Figure 7(b) shows a comparison of the curve of the U.S. Extension to the ICAO Standard Atmosphere with the pressure-altitude curve for Edwards for the 10- to 3-millibar range. Again, agreement is good. Inasmuch as it has been shown that the pressure heights vary markedly with the season, figure 7(c) is presented to show a comparison of the pressure-altitude curves averaged for the four stations for January and July with the Standard Atmosphere pressure-altitude curve. It is seen that the Standard Atmosphere curve approximates an average between the other curves. The greatest variation of the Standard Atmosphere curve from the average pressure-altitude curves occurs in July in the lower altitude range. This difference is about 1,500 feet, with the July curve giving the highest pressure height.

From observations of table III the yearly average 24-hour pressure-height changes for three of the stations at the various pressure levels are shown in figure 7(d). The 24-hour pressure-height changes decrease with altitude in the 100- to 60-millibar range and increase with altitude above the 60-millibar level. The maximum yearly average 24-hour pressure-height change for any of the stations is approximately 150 feet.

Winds

Table V shows that at the 100-millibar level in winter the wind directions are concentrated mainly in a small range near northwest. At higher levels the winter winds have a larger range of directions. The prevalent direction is between west and northwest. In summer the wind directions have large ranges in the 100-millibar to 60-millibar range,

generally with south or southwest components predominating at 100 millibars and east components at 60 millibars. At higher altitudes during the summer the directions are mostly east and east southeast. These results are generally consistent with the results presented in reference 10 for winds in the 30,000-foot to 150,000-foot range at middle latitudes.

Figure 8 shows daily soundings of winds for Edwards at altitudes from 50,000 feet to 130,000 feet for the four midseason months, January, April, July, and October. It appears that, regardless of the season, the wind speeds are generally at a minimum near 70,000 feet. Above this layer, the wind speed tends to increase with altitude. It is interesting to note from the January data that the wind directions are predominantly from the east for altitudes of 70,000 feet and above. Although numerous studies have indicated that the wind direction is usually westerly at these altitudes for the latitude range of these stations (for example, ref. 5), this figure shows that easterly flow can occur in these altitude and latitude ranges over long periods of time in winter. However, as has been mentioned, the average wind directions for the four stations are west or northwest. For October, periods of easterly flow are followed by periods of westerly flow. According to reference 10, this pattern is characteristic near the times of the equinoxes when the monsoon-type flow is lessening, soon to be formed again in the opposite direction (180° change in azimuth). The previously mentioned predominant east winds in summer for levels of 40 millibars and higher are evident in figure 8.

Figure 9 shows the average, maximum, and minimum wind speeds for the four stations for the 12 months at the various pressure levels or altitudes. The wind speeds were received from the Edwards station to the nearest 5 knots, whereas they were received from the other stations to the nearest knot. It is seen from this figure that at levels corresponding to an altitude of 80,000 feet and above, the average wind speeds tend to reach their maximums during the winter and summer. Thus, the minimum speed averages occur during the spring and fall seasons when strong westerlies and easterlies, as previously mentioned, are observed to be temporarily breaking up.

To see more clearly the variation of wind speed with altitude and to compare the wind speeds for the four stations, figure 10 shows monthly average wind speeds plotted against pressure for each month of the year. Although the wind data for Edwards were obtained for increments of altitude rather than pressure, for comparison purposes the values of these altitudes have been converted to pressure from tables of the U.S. Extension to the ICAO Standard Atmosphere. Large variations between the averages for certain levels can be seen in this figure. For example, the average wind speed for Las Vegas at 40 millibars for February is 15 knots greater than for Ely for the same conditions. It is interesting

to observe that for the spring and fall months the average vertical-wind-speed gradient is, on the whole, less than for winter and summer months, with the gradient generally larger for the summer months. Also, in the summer months the average wind speeds appear to increase more consistently with altitude above the 60-millibar level than for other months.

It appears that the average 24-hour wind-speed changes (table VIII) are somewhat smaller in the summer than in the other seasons. However, it should be noted that the extreme maximum of 56 knots was found in July. The results of the average wind data are consistent with those of reference 8 for North American stations. It is seen (table IX) that significant changes in wind direction occur in 24-hour periods for all seasons and levels investigated, with maximum changes near 180° .

The yearly averages of wind speeds and 24-hour changes in wind speed and wind direction are shown in figure 11. The speeds decrease from the 100-millibar to the 60-millibar level and increase with altitude above the 60-millibar level. For most levels the average wind speeds are greater for Edwards and Las Vegas than for Ely and Salt Lake City. The maximum difference, found at the 100-millibar level, is approximately 13 knots. In the 60-millibar to 20-millibar range the difference is smaller, never more than 10 knots and generally about 5 knots.

Figure 11(b) shows that the yearly average 24-hour wind-speed changes decrease with altitude in the 100- to 60-millibar range. Above the 60-millibar level the average 24-hour changes are fairly constant with altitude. The mean of the curves at 100 millibars is less than 12 knots per 24 hours. At 60 millibars the mean is less than 7 knots per 24 hours. The yearly average 24-hour wind-direction changes (fig. 11(c)) differ with altitude for the three stations. For all three stations the 24-hour changes increase with altitude in the 100- to 60-millibar range. Above the 60-millibar level the curves show wide variations; the maximum average change is about 60° per 24 hours, occurring at 40 millibars for Ely.

CONCLUSIONS

An investigation of the temperatures, pressure heights, and winds for the four stations along High Range in the 100-millibar to 2-millibar range indicates that:

1. In the 100-millibar to 10-millibar range the largest differences between the yearly average temperatures of the stations and the temperatures of the U.S. Extension to the ICAO Standard Atmosphere were at 100 millibars and 25 millibars, with mean differences of 6° C and 5° C, respectively.

2. In the 10-millibar to 3-millibar range, the differences between the yearly average temperatures of the Edwards station and the temperatures of the U.S. Extension to the ICAO Standard Atmosphere increased with altitude. In this range the temperatures of the Edwards average sounding were lower than the temperatures of the Standard Atmosphere.

3. In the 100-millibar to 10-millibar range the largest differences between the yearly average pressure heights of the stations and the pressure heights of the U.S. Extension to the ICAO Standard Atmosphere did not exceed 1,000 feet and for most levels were 500 feet or less. Equally as good agreement existed for the Edwards station in the 10-millibar to 3-millibar range.

4. In the 100-millibar to 10-millibar range the pressure heights averaged for all the stations were higher in July and lower in January than the pressure heights of the U.S. Extension to the ICAO Standard Atmosphere, with the maximum difference of about 1,500 feet occurring in July.

5. In winter the prevailing wind directions were mainly between west and northwest for all levels; in summer the prevailing wind directions were between east and southwest in the 100-millibar to 60-millibar range and east to east southeast at higher levels.

6. The extreme maximum wind speed observed was 115 knots, which occurred during April at an altitude of 50,000 feet at Edwards.

High-Speed Flight Station,
National Aeronautics and Space Administration,
Edwards, Calif., September 16, 1959.

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TABLE I.- TOTAL NUMBER OF OBSERVATIONS OF TEMPERATURES, PRESSURE HEIGHTS, AND WINDS FOR THE DIFFERENT STATIONS

| Pressure, mb | Temperature | | | | Pressure height | | | | Wind | | | |
|------------------|-------------|--------------|---------|-------------------|-----------------|--------------|---------|-------------------|---------|--------------|-----|-------------------|
| | Edwards | Las Vegas | Ely | Salt Lake City | Edwards | Las Vegas | Ely | Salt Lake City | Edwards | Las Vegas | Ely | Salt Lake City |
| 100 | 676 | 631 | 646 | 668 | 621 | 636 | 651 | 667 | 618 | 222 | 632 | |
| 80 | 651 | 603 | 617 | 654 | 595 | 620 | 608 | 642 | 587 | 208 | 611 | |
| 60 | 646 | 568 | 595 | 620 | 507 | 489 | 560 | 564 | 551 | 201 | 591 | |
| 40 | 610 | 507 | 489 | 560 | 371 | 351 | 476 | 487 | 479 | 152 | 538 | |
| 30 | 609 | 259 | 202 | 138 | 202 | 138 | 448 | 350 | 332 | 320 | 433 | |
| 20 | 259 | 215 | 158 | 49 | 158 | 113 | 29 | 257 | 181 | 126 | 376 | |
| 15 | 215 | 158 | 113 | 102 | 102 | 73 | 29 | 201 | 49 | 18 | 163 | |
| 10 | 158 | 113 | 73 | 59 | 59 | 38 | 24 | 133 | 6 | 29 | 5 | |
| 9 | 113 | 73 | 59 | 38 | 38 | 24 | 9 | 84 | 3 | 3 | 1 | |
| 8 | 102 | 59 | 38 | 24 | 24 | 9 | 3 | 64 | 52 | | | |
| 7 | 73 | 38 | 24 | 9 | 24 | 9 | 3 | 37 | 21 | | | |
| 6 | 59 | 24 | 9 | 3 | 24 | 3 | | 1 | 9 | | | |
| 5 | 38 | 9 | | | 9 | | | | | | | |
| 4 | 24 | | | | | | | | | | | |
| 3 | 9 | | | | | | | | | | | |
| 2 | 3 | | | | | | | | | | | |
| Altitude, ft. | 50,000 | 60,000 | 70,000 | 80,000 | 90,000 | 100,000 | 110,000 | 120,000 | 130,000 | 419 | 459 | |
| | 60,000 | 70,000 | 80,000 | 90,000 | 100,000 | 110,000 | 120,000 | 130,000 | 34 | 431 | 392 | |
| | 70,000 | 80,000 | 90,000 | 100,000 | 110,000 | 120,000 | 130,000 | 134 | 228 | 325 | 228 | |
| | 80,000 | 90,000 | 100,000 | 110,000 | 120,000 | 130,000 | 134 | 4 | 99 | 34 | | |

TABLE II.- SUMMARY OF TEMPERATURE MEASUREMENTS

[Edwards]

| Pressure, mb | T, deg C | Winter | | Spring | | Summer | | Fall | |
|--------------|----------|-----------------------|-----|-----------------------|-----|-----------------------|-----|-----------------------|-----|
| | | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd |
| 100 | -51 | | | 1 | 1 | | | | |
| | -52 | | | 1 | 1 | | | | |
| | -53 | | | 4 | 4 | | | | |
| | -54 | 1 | | 2 | 5 | | | | |
| | -55 | 2 | 2 | 5 | 8 | | | | |
| | -56 | 6 | 6 | 6 | 12 | | | | |
| | -57 | 3 | 8 | 7 | 17 | | | | |
| | -58 | 7 | 13 | 16 | 27 | | | | |
| | -59 | 6 | 17 | 14 | 37 | | | | |
| | -60 | 14 | 26 | 17 | 48 | | | | |
| | -61 | 14 | 35 | 26 | 65 | | | | |
| | -62 | 14 | 45 | 23 | 80 | | | | |
| | -63 | 22 | 59 | 9 | 86 | | | | |
| | -64 | 10 | 66 | 12 | 93 | | | | |
| | -65 | 18 | 78 | 6 | 97 | | | | |
| | -66 | 5 | 81 | | | | | | |
| | -67 | 13 | 90 | 2 | 99 | | | | |
| | -68 | 5 | 93 | | | | | | |
| | -69 | 6 | 97 | | | | | | |
| | -70 | 3 | 99 | 1 | 99 | | | | |
| | -71 | 1 | 100 | | | | | | |
| | -72 | | | 1 | 100 | | | | |
| | -73 | | | | | 1 | 100 | | |
| | -74 | | | | | | | 1 | 100 |
| | -75 | | | | | | | 2 | |
| | -76 | | | | | | | | 99 |
| | -77 | | | | | | | | |
| 80 | -53 | | | 1 | 1 | | | | |
| | -54 | 2 | 1 | 4 | 3 | | | | |
| | -55 | | | 5 | 7 | | | | |
| | -56 | 1 | 2 | 5 | 10 | | | | |
| | -57 | 7 | 7 | 5 | 14 | | | | |
| | -58 | 4 | 10 | 12 | 22 | | | | |
| | -59 | 6 | 14 | 17 | 33 | | | | |
| | -60 | 11 | 22 | 22 | 48 | | | | |
| | -61 | 17 | 34 | 16 | 59 | | | | |
| | -62 | 17 | 46 | 17 | 71 | | | | |
| | -63 | 9 | 52 | 14 | 80 | | | | |
| | -64 | 18 | 65 | 5 | 84 | | | | |
| | -65 | 15 | 75 | 7 | 88 | | | | |
| | -66 | 11 | 83 | 3 | 90 | | | | |
| | -67 | 7 | 88 | 5 | 94 | | | | |
| | -68 | 7 | 93 | 6 | 98 | | | | |
| | -69 | 2 | 94 | 2 | 99 | | | | |
| | -70 | 3 | 96 | 1 | 100 | | | | |
| | -71 | 3 | 99 | | | | | | |
| | -72 | 1 | 99 | | | | | | |
| | -73 | | | | | | | 2 | 100 |
| | -74 | 1 | 100 | | | | | | |
| 60 | -44 | | | | | | | 1 | 1 |
| | -45 | | | | | | | | |
| | -46 | | | | | | | | |
| | -47 | | | | | | | | |
| | -48 | | | | | | | | |
| | -49 | | | | | | | | |
| | -50 | | | 2 | 1 | | | | |
| | -51 | | | | | | | | |
| | -52 | 1 | 1 | | | | | | |
| | -53 | | | | | 2 | 1 | | |
| | -54 | 1 | 1 | 5 | 4 | | | 4 | 3 |
| | -55 | 2 | 3 | 3 | 6 | 8 | 4 | 5 | 6 |
| | -56 | 3 | 5 | 16 | 15 | 10 | 15 | 6 | 10 |
| | -57 | 7 | 10 | 24 | 29 | 30 | 34 | 10 | 16 |
| | -58 | 10 | 17 | 30 | 47 | 32 | 53 | 16 | 25 |
| | -59 | 5 | 21 | 17 | 57 | 29 | 71 | 22 | 37 |
| | -60 | 17 | 33 | 21 | 69 | 36 | 94 | 23 | 51 |
| | -61 | 21 | 48 | 12 | 76 | 3 | 96 | 20 | 62 |
| | -62 | 18 | 61 | 16 | 85 | 4 | 98 | 23 | 75 |
| | -63 | 16 | 72 | 11 | 92 | 2 | 99 | 14 | 83 |
| | -64 | 19 | 86 | 6 | 95 | | | 8 | 91 |
| | -65 | 5 | 89 | 1 | 96 | | | 2 | 96 |
| | -66 | 4 | 92 | 3 | 98 | 1 | 100 | 1 | 97 |
| | -67 | 3 | 94 | 2 | 99 | | | 3 | 98 |
| | -68 | 5 | 98 | 2 | 100 | | | 1 | 99 |
| | -69 | 2 | 99 | | | | | 1 | 100 |
| | -70 | | | | | | | | |
| | -71 | 1 | 100 | | | | | | |

TABLE II.- Continued.

[Edwards]

| Pressure, mb | T, deg C | Winter | | Spring | | Summer | | Fall | |
|--------------|----------|-----------------------|-----|-----------------------|-----|-----------------------|-----|-----------------------|-----|
| | | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd |
| 40 | -48 | | | 2 | 1 | | | | |
| | -49 | | | 2 | 2 | 2 | 1 | 1 | 1 |
| | -50 | 1 | 1 | 3 | 4 | 5 | 4 | 5 | 4 |
| | -51 | 2 | 2 | 7 | 8 | 14 | 14 | 5 | 9 |
| | -52 | 4 | 5 | 14 | 17 | 35 | 37 | 8 | 9 |
| | -53 | 3 | 7 | 24 | 31 | 45 | 66 | 17 | 20 |
| | -54 | 4 | 10 | 29 | 49 | 19 | 78 | 18 | 32 |
| | -55 | 8 | 16 | 28 | 65 | 22 | 93 | 22 | 47 |
| | -56 | 10 | 23 | 19 | 77 | 7 | 97 | 18 | 59 |
| | -57 | 19 | 37 | 12 | 84 | 2 | 99 | 17 | 70 |
| | -58 | 18 | 56 | 6 | 87 | | | 22 | 84 |
| | -59 | 17 | 62 | 9 | 93 | 1 | 99 | 10 | 91 |
| | -60 | 14 | 72 | 6 | 96 | 1 | 100 | 8 | 96 |
| | -61 | 11 | 80 | 3 | 98 | | | 5 | 99 |
| | -62 | 5 | 84 | 1 | 99 | | | | |
| | -63 | 8 | 90 | 1 | 99 | | | | |
| | -64 | 5 | 93 | | | | | 1 | 100 |
| | -65 | 3 | 96 | | | | | | |
| | -66 | 2 | 97 | | | | | | |
| | -67 | 1 | 98 | 1 | 100 | | | | |
| | -68 | 1 | 99 | | | | | | |
| | -69 | 2 | 100 | | | | | | |
| | -70 | | | | | | | | |
| | -71 | | | | | | | | |
| 30 | -46 | | | | 8 | 6 | | | |
| | -47 | | | 3 | 2 | 6 | 10 | 2 | 1 |
| | -48 | | | 17 | 11 | 24 | 27 | 5 | 3 |
| | -49 | 2 | 1 | 24 | 24 | 24 | 44 | 6 | 9 |
| | -50 | 6 | 6 | 24 | 38 | 40 | 72 | 13 | 17 |
| | -51 | 4 | 9 | 37 | 58 | 24 | 89 | 18 | 29 |
| | -52 | 4 | 12 | 25 | 72 | 10 | 96 | 22 | 44 |
| | -53 | 5 | 16 | 19 | 82 | 3 | 98 | 24 | 60 |
| | -54 | 16 | 27 | 9 | 87 | 1 | 98 | 21 | 74 |
| | -55 | 18 | 41 | 6 | 91 | 1 | 99 | 17 | 85 |
| | -56 | 19 | 55 | 10 | 96 | | | 7 | 89 |
| | -57 | 13 | 64 | 3 | 98 | | | 9 | 95 |
| | -58 | 11 | 73 | 2 | 99 | 1 | 100 | 4 | 98 |
| | -59 | 3 | 75 | 2 | 100 | | | 3 | 100 |
| | -60 | 6 | 79 | | | | | | |
| | -61 | 11 | 87 | | | | | | |
| | -62 | 4 | 90 | | | | | | |
| | -63 | 5 | 94 | | | | | | |
| | -64 | 2 | 96 | | | | | | |
| | -65 | 3 | 98 | | | | | | |
| | -66 | 1 | 99 | | | | | | |
| | -67 | 2 | 100 | | | | | | |
| 20 | -35 | 1 | 1 | | | | | | |
| | -36 | | | | | | | | |
| | -37 | | | | | | | | |
| | -38 | | | | | | | | |
| | -39 | | | | | | | | |
| | -40 | | | | | | | | |
| | -41 | | | | | | | | |
| | -42 | | | | | | | | |
| | -43 | | | | | | | | |
| | -44 | | | | | | | | |
| | -45 | | | | | | | | |
| | -46 | 1 | 3 | 8 | 62 | 2 | 5 | 1 | 1 |
| | -47 | | | 6 | 71 | 8 | 76 | 13 | 10 |
| | -48 | 3 | 7 | 7 | 83 | 7 | 76 | 7 | 26 |
| | -49 | | | 1 | 84 | 6 | 90 | 10 | 35 |
| | -50 | 11 | 21 | 4 | 90 | 6 | 90 | 14 | 48 |
| | -51 | 4 | 27 | 3 | 95 | 4 | 100 | 9 | 65 |
| | -52 | 5 | 33 | 1 | 97 | | | 4 | 76 |
| | -53 | 6 | 41 | 2 | 100 | | | 5 | 81 |
| | -54 | 6 | 49 | | | | | 5 | 88 |
| | -55 | 7 | 59 | | | | | 4 | 95 |
| | -56 | 6 | 67 | | | | | 3 | 90 |
| | -57 | 7 | 76 | | | | | 1 | 99 |
| | -58 | 5 | 83 | | | | | | |
| | -59 | 4 | 88 | | | | | | |
| | -60 | 3 | 92 | | | | | | |
| | -61 | 1 | 93 | | | | | | |
| | -62 | 2 | 96 | | | | | | |
| | -63 | 1 | 97 | | | | | | |
| | -64 | 1 | 99 | | | | | | |
| | -65 | | | | | | | | |
| | -66 | | | | | | | | |
| | -67 | | | | | | | | |
| | -68 | | | | | | | | |
| | -69 | | | | | | | | |
| | -70 | | | 1 | 100 | | | | |

TABLE II.- Continued.

[Edwards]

| Pressure, mb | T, deg C | Winter | | Spring | | Summer | | Fall | |
|--------------|----------|-----------------------|-----|-----------------------|-----|-----------------------|-----|-----------------------|-----|
| | | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd |
| 1.5 | -3.5 | | | | | 1 | 3 | | |
| | -3.6 | | | | | 2 | 8 | | |
| | -3.7 | | | | | 1 | 11 | | |
| | -3.8 | | | | | 3 | 19 | | |
| | -3.9 | | | | | 7 | 38 | | |
| | -4.0 | 1 | 2 | 10 | 26 | 8 | 59 | 1 | 2 |
| | -4.1 | | | 12 | 49 | 5 | 86 | 2 | 5 |
| | -4.2 | 1 | 3 | | | 10 | 92 | 1 | 7 |
| | -4.3 | 1 | 5 | 5 | 58 | 2 | | 4 | 13 |
| | -4.4 | 1 | 6 | 8 | 74 | | | 3 | 18 |
| | -4.5 | 2 | 9 | 6 | 85 | | | 4 | 25 |
| | -4.6 | 1 | 11 | 4 | 92 | 2 | 97 | 6 | 35 |
| | -4.7 | 4 | 17 | 2 | 96 | 1 | 100 | 7 | 46 |
| | -4.8 | 5 | 25 | 1 | 98 | | | 5 | 55 |
| | -4.9 | 3 | 29 | | | | | 6 | 65 |
| | -5.0 | 2 | 32 | 1 | 100 | | | 9 | 80 |
| | -5.1 | 3 | 37 | | | | | 4 | 87 |
| | -5.2 | 4 | 43 | | | | | 4 | 93 |
| | -5.3 | 8 | 55 | | | | | | |
| | -5.4 | 6 | 65 | | | | | 2 | 97 |
| | -5.5 | 7 | 75 | | | | | | |
| | -5.6 | 2 | 78 | | | | | 2 | 100 |
| | -5.7 | 4 | 85 | | | | | | |
| | -5.8 | 2 | 88 | | | | | | |
| | -5.9 | 4 | 94 | | | | | | |
| | -6.0 | 4 | 100 | | | | | | |
| 1.0 | -3.0 | | | 1 | 2 | | | 4 | |
| | -3.1 | | | 1 | 5 | 1 | 11 | | |
| | -3.2 | | | | | 2 | 25 | | |
| | -3.3 | | | 1 | 7 | 4 | | | |
| | -3.4 | | | 2 | 12 | 3 | 36 | | |
| | -3.5 | 1 | 2 | 2 | 17 | 3 | 46 | | |
| | -3.6 | | | 2 | 22 | 3 | 57 | | |
| | -3.7 | | | 5 | 34 | 3 | | | |
| | -3.8 | | | 6 | 49 | 1 | 61 | | |
| | -3.9 | 2 | 6 | 8 | 68 | 5 | 78 | | |
| | -4.0 | 1 | 8 | 3 | 76 | 3 | 89 | 1 | |
| | -4.1 | | | 3 | 83 | 1 | 93 | 2 | |
| | -4.2 | 1 | 10 | 1 | 85 | 1 | 96 | 2 | |
| | -4.3 | 4 | 18 | 3 | 93 | 1 | 100 | 6 | |
| | -4.4 | 2 | 22 | 1 | 95 | | | 3 | |
| | -4.5 | 5 | 32 | 1 | 98 | | | 3 | |
| | -4.6 | 3 | 38 | 1 | 100 | | | 2 | |
| | -4.7 | 5 | 48 | | | | | 3 | |
| | -4.8 | 2 | 52 | | | | | 2 | |
| | -4.9 | 4 | 60 | | | | | 74 | |
| | -5.0 | | | | | | | 2 | |
| | -5.1 | 3 | 66 | | | | | 3 | 87 |
| | -5.2 | 4 | 74 | | | | | 1 | 90 |
| | -5.3 | 3 | 80 | | | | | 1 | 92 |
| | -5.4 | 1 | 82 | | | | | 2 | 97 |
| | -5.5 | 3 | 88 | | | | | | |
| | -5.6 | 2 | 92 | | | | | | |
| | -5.7 | 2 | 96 | | | | | 1 | |
| | -5.8 | 2 | 100 | | | | | | |
| 9 | -3.0 | | | | | 1 | 4 | | |
| | -3.1 | | | | | 2 | 12 | | |
| | -3.2 | | | | | 1 | 16 | | |
| | -3.3 | | | | | 2 | 24 | | |
| | -3.4 | | | | | 5 | 44 | | |
| | -3.5 | 1 | 3 | | | 2 | 52 | | |
| | -3.6 | 1 | 6 | 8 | 44 | 4 | 68 | | |
| | -3.7 | | | 1 | 47 | 2 | 76 | 1 | |
| | -3.8 | 1 | 9 | 6 | 65 | 1 | 80 | 2 | |
| | -3.9 | | | 1 | 68 | 1 | 84 | 4 | |
| | -4.0 | 2 | 18 | 4 | 79 | 1 | 88 | 4 | |
| | -4.1 | 1 | 21 | 3 | 88 | 2 | 96 | 1 | |
| | -4.2 | 2 | 27 | 2 | 94 | | | 2 | |
| | -4.3 | 2 | 33 | 1 | 97 | 1 | 100 | | |
| | -4.4 | 2 | 39 | 1 | 100 | | | 3 | |
| | -4.5 | 3 | 49 | | | | | 2 | |
| | -4.6 | 1 | 52 | | | | | 80 | |
| | -4.7 | 1 | 55 | | | | | 2 | |
| | -4.8 | 3 | 64 | | | | | | |
| | -4.9 | 2 | 70 | | | | | 1 | |
| | -5.0 | 1 | 73 | | | | | | |
| | -5.1 | 1 | 76 | | | | | | |
| | -5.2 | 2 | 82 | | | | | 1 | |
| | -5.3 | 3 | 91 | | | | | | |
| | -5.4 | 1 | 94 | | | | | | |
| | -5.6 | 2 | 100 | | | | | | |

TABLE II.- Continued.

[Edwards]

| Pressure, mb | T, deg C | Winter | | Spring | | Summer | | Fall | |
|--------------|----------|-----------------------|-------|-----------------------|-------|-----------------------|-------|-----------------------|-------|
| | | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd |
| 8 | -2 8 | | | | | 1 | 4 | | |
| | -2 9 | | | | | | | | |
| | -3 0 | | | 1 | 3 | | | | |
| | -3 1 | | | 1 | 6 | 1 | 8 | | |
| | -3 2 | | | 2 | 1 3 | 6 | 3 3 | | |
| | -3 3 | | | 3 | 2 2 | 2 | 4 2 | | |
| | -3 4 | 1 | 4 | 4 | 3 4 | | | 1 | 6 |
| | -3 5 | 1 | 7 | 3 | 4 4 | 2 | 5 0 | | |
| | -3 6 | | | 4 | 5 6 | 3 | 6 2 | 1 | 1 2 |
| | -3 7 | 2 | 1 4 | 2 | 6 3 | 2 | 7 1 | 3 | 2 8 |
| | -3 8 | | | 4 | 7 4 | 2 | 7 9 | 1 | 3 3 |
| | -3 9 | | | 2 | 8 1 | 2 | 8 8 | 3 | 5 0 |
| | -4 0 | 1 | 1 8 | 2 | 8 8 | 1 | 9 2 | 2 | 6 1 |
| | -4 1 | | | 2 | 9 4 | 1 | 9 6 | 1 | 6 7 |
| | -4 2 | 3 | 2 9 | 1 | 9 7 | 1 | 1 0 0 | | |
| | -4 3 | 3 | 3 9 | 1 | 1 0 0 | | | 2 | 7 8 |
| | -4 4 | | | | | | | 3 | 9 4 |
| | -4 5 | 3 | 5 0 | | | | | | |
| | -4 6 | 3 | 6 1 | | | | | | |
| | -4 7 | 1 | 6 4 | | | | | | |
| | -4 8 | 1 | 6 8 | | | | | | |
| | -4 9 | | | | | | | | |
| | -5 0 | 3 | 7 9 | | | | | | |
| | -5 1 | 1 | 8 2 | | | | | 1 | 1 0 0 |
| | -5 2 | | | | | | | | |
| | -5 3 | 2 | 8 9 | | | | | | |
| | -5 4 | | | | | | | | |
| | -5 5 | 1 | 9 3 | | | | | | |
| | -5 6 | 2 | 1 0 0 | | | | | | |
| 7 | -2 9 | | | | | 1 | 4 | | |
| | -3 0 | | | | | 2 | 1 3 | | |
| | -3 1 | | | 1 | 6 | 3 | 2 6 | | |
| | -3 2 | | | 2 | 1 9 | 2 | 3 5 | | |
| | -3 3 | | | 1 | 2 5 | 3 | 4 8 | 1 | 8 |
| | -3 4 | | | 3 | 4 4 | 4 | 6 5 | | |
| | -3 5 | | | 1 | 5 0 | 1 | 7 0 | 1 | 1 5 |
| | -3 6 | | | | | 4 | 8 7 | 1 | 2 3 |
| | -3 7 | | | 1 | 5 6 | 1 | 9 1 | 3 | 4 6 |
| | -3 8 | 1 | 5 | 4 | 8 1 | | | 2 | 6 2 |
| | -3 9 | | | 2 | 9 4 | | | 1 | 6 9 |
| | -4 0 | 2 | 1 4 | | | 1 | 9 6 | | |
| | -4 1 | 3 | 2 9 | | | 1 | 1 0 0 | | |
| | -4 2 | | | 1 | 1 0 0 | | | 1 | 7 7 |
| | -4 3 | 1 | 3 3 | | | | | 1 | 8 5 |
| | -4 4 | 4 | 5 2 | | | | | 1 | 9 2 |
| | -4 5 | 1 | 5 7 | | | | | | |
| | -4 6 | | | | | | | | |
| | -4 7 | | | | | | | | |
| | -4 8 | 2 | 6 7 | | | | | | |
| | -4 9 | 2 | 7 6 | | | | | | |
| | -5 0 | 1 | 8 1 | | | | | 1 | 1 0 |
| | -5 1 | 1 | 8 6 | | | | | | |
| | -5 2 | | | | | | | | |
| | -5 3 | 1 | 9 0 | | | | | | |
| | -5 4 | | | | | | | | |
| | -5 5 | 2 | 1 0 0 | | | | | | |
| 6 | -2 6 | | | | | 1 | 5 | | |
| | -2 7 | | | 1 | 8 | | | | |
| | -2 8 | | | | | | | | |
| | -2 9 | | | | | 1 | 1 0 | | |
| | -3 0 | | | | | 5 | 3 5 | | |
| | -3 1 | | | 3 | 3 3 | 2 | 4 5 | | |
| | -3 2 | | | | | | | 1 | 9 |
| | -3 3 | | | 2 | 5 0 | 4 | 6 5 | | |
| | -3 4 | | | | | 3 | 8 0 | 2 | 2 7 |
| | -3 5 | | | | | 3 | 9 5 | 2 | 4 5 |
| | -3 6 | | | | | | | 2 | 6 4 |
| | -3 7 | 1 | 6 | 1 | 5 8 | | | | |
| | -3 8 | 2 | 1 9 | 3 | 8 3 | 1 | 1 0 0 | 1 | 7 3 |
| | -3 9 | 1 | 2 5 | | | | | 1 | 8 2 |
| | -4 0 | | | | | | | | |
| | -4 1 | 2 | 3 8 | | | | | | |
| | -4 2 | | | | | 1 | 9 2 | 1 | 9 1 |
| | -4 3 | 1 | 4 4 | 1 | 1 0 0 | | | 1 | 1 0 0 |
| | -4 4 | 1 | 5 0 | | | | | | |
| | -4 5 | | | | | | | | |
| | -4 6 | | | | | | | | |
| | -4 7 | 1 | 5 6 | | | | | | |
| | -4 8 | 2 | 6 9 | | | | | | |
| | -4 9 | | | | | | | | |
| | -5 0 | 2 | 8 1 | | | | | | |
| | -5 1 | | | | | | | | |
| | -5 2 | 1 | 8 8 | | | | | | |
| | -5 3 | 1 | 9 4 | | | | | | |
| | -5 4 | | | | | | | | |
| | -5 5 | 1 | 1 0 0 | | | | | | |

TABLE II.- Continued.

[Edwards]

| Pressure, mb | T, deg C | Winter | | Spring | | Summer | | Fall | |
|--------------|----------|-----------------------|-------|-----------------------|-------|-----------------------|-------|-----------------------|-------|
| | | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd |
| 5 | -2 0 | | | | | 1 | 6 | | |
| | -2 1 | | | | | | | | |
| | -2 2 | | | | | | | | |
| | -2 3 | | | 1 | 1 4 | | | | |
| | -2 4 | | | | | | | | |
| | -2 5 | | | | | | | | |
| | -2 6 | | | | | | | | |
| | -2 7 | | | | | 1 | 1 2 | | |
| | -2 8 | | | | | | | | |
| | -2 9 | | | | | 2 | 2 4 | | |
| | -3 0 | | | 2 | 2 8 | 1 | 3 1 | | |
| | -3 1 | | | | | 2 | 4 4 | | |
| | -3 2 | | | | | 2 | 5 6 | 1 | 1 2 |
| | -3 3 | | | | | 5 | 8 8 | 2 | 5 0 |
| | -3 4 | | | | | 1 | 9 4 | 3 | 8 8 |
| | -3 5 | 1 | 1 4 | 1 | 5 7 | | | 1 | 1 0 0 |
| | -3 6 | | | | | | | | |
| | -3 7 | | | 1 | 7 1 | | | | |
| | -3 8 | 1 | 2 6 | | | | | | |
| | -3 9 | | | | | 1 | 1 0 0 | | |
| | -4 0 | | | | | | | | |
| | -4 1 | 2 | 5 7 | 2 | 1 0 0 | | | | |
| | -4 2 | | | | | | | | |
| | -4 3 | | | | | | | | |
| | -4 4 | | | | | | | | |
| | -4 5 | | | | | | | | |
| | -4 6 | 1 | 7 1 | | | | | | |
| | -4 7 | | | | | | | | |
| | -4 8 | | | | | | | | |
| | -4 9 | | | | | | | | |
| | -5 0 | | | | | | | | |
| | -5 1 | | | | | | | | |
| | -5 2 | | | | | | | | |
| | -5 3 | 1 | 8 6 | | | | | | |
| | -5 4 | 1 | 1 0 0 | | | | | | |
| 4 | -1 9 | | | | | 1 | 1 0 | | |
| | -2 0 | | | | | | | | |
| | -2 1 | | | | | | | | |
| | -2 2 | | | | | | | | |
| | -2 3 | | | | | | | | |
| | -2 4 | | | | | | | | |
| | -2 5 | | | | | | | | |
| | -2 6 | | | | | | | | |
| | -2 7 | | | | | | | | |
| | -2 8 | | | 1 | 3 3 | 3 | 4 0 | 1 | 1 4 |
| | -2 9 | | | | | 1 | 5 0 | 1 | 2 8 |
| | -3 0 | | | | | 4 | 9 0 | 2 | 5 7 |
| | -3 1 | | | | | | | 1 | 7 1 |
| | -3 2 | | | | | | | 2 | 1 0 0 |
| | -3 3 | 1 | 2 5 | 1 | 6 6 | | | | |
| | -3 4 | | | | | | | | |
| | -3 5 | | | | | | | | |
| | -3 6 | 1 | 5 0 | | | | | | |
| | -3 7 | | | | | | | | |
| | -3 8 | | | 1 | 9 9 | 1 | 1 0 0 | | |
| | -3 9 | | | | | | | | |
| | -4 0 | | | | | | | | |
| | -4 1 | | | | | | | | |
| | -4 2 | | 7 5 | | | | | | |
| | -4 3 | | | | | | | | |
| | -4 4 | | | | | | | | |
| | -4 5 | | | | | | | | |
| | -4 6 | | | | | | | | |
| | -4 7 | | | | | | | | |
| | -4 8 | | | | | | | | |
| | -4 9 | | | | | | | | |
| | -5 0 | | | | | | | | |
| | -5 1 | | | | | | | | |
| | -5 2 | | | | | | | | |
| | -5 3 | | | | | | | | |
| | -5 4 | | | 1 | 1 0 0 | | | | |
| 3 | -2 7 | | | | | 1 | 2 5 | | |
| | -2 8 | | | | | 1 | 5 0 | | |
| | -2 9 | | | | | | | | |
| | -3 0 | | | | | 1 | 7 5 | 1 | 5 0 |
| | -3 1 | | | | | 1 | 1 0 0 | | |
| | -3 2 | | | | | | | | |
| | -3 3 | | | | | | | | |
| | -3 4 | | | 1 | 1 0 0 | | | 1 | 1 0 0 |
| | -3 5 | | | | | | | | |
| | -3 6 | | | | | | | | |
| | -3 7 | | | | | | | | |
| | -3 8 | | | | | | | | |
| | -3 9 | | | | | | | | |
| | -4 0 | 1 | 5 0 | | | | | | |
| | -4 1 | | | | | | | | |
| | -4 2 | | | | | | | | |
| | -4 3 | | | | | | | | |
| | -4 4 | | | | | | | | |
| | -4 5 | | | | | | | | |
| | -4 6 | | | | | | | | |
| | -4 7 | | | | | | | | |
| | -4 8 | | | | | | | | |
| | -4 9 | | | | | | | | |
| | -5 0 | | | | | | | | |
| | -5 1 | | | | | | | | |
| | -5 2 | | | 1 | 1 0 0 | | | | |
| | -5 3 | | | | | | | | |
| | -5 4 | | | | | | | | |

TABLE II.- Continued.

[Edwards]

| Pressure, mb | T, deg C | Winter | | Spring | | Summer | | Fall | |
|--------------|----------|-----------------------|-------|-----------------------|-------|-----------------------|-------|-----------------------|-------|
| | | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd |
| 2 | -2 8 | | | 1 | 1 0 0 | 1 | 1 0 0 | | |
| | -2 9 | | | | | | | | |
| | -3 0 | | | | | | | | |
| | -3 1 | | | | | | | | |
| | -3 2 | | | | | | | | |
| | -3 3 | | | | | | | | |
| | -3 4 | | | | | | | | |
| | -3 5 | | | | | | | | |
| | -3 6 | | | | | | | | |
| | -3 7 | | | | | | | | |
| | -3 8 | | | | | | | | |
| | -3 9 | | | | | | | | |
| | -4 0 | | | | | | | | |
| | -4 1 | | | | | | | | |
| | -4 2 | | | | | | | | |
| | -4 3 | | | | | | | | |
| | -4 4 | | | | | | | | |
| | -4 5 | | | | | | | | |
| | -4 6 | | | | | | | | |
| | -4 7 | | | | | | | | |
| | -4 8 | | | 1 | 1 0 0 | | | | |
| 1 0 0 | -5 0 | | | | | | | | |
| | -5 1 | | | 1 | 1 | | | | |
| | -5 2 | 1 | 1 | 3 | 3 | | | | |
| | -5 3 | 1 | 1 | 4 | 4 | | | | |
| | -5 4 | 4 | 4 | 3 | 6 | | | | |
| | -5 5 | 2 | 5 | 8 | 1 1 | | | | |
| | -5 6 | 1 | 6 | 1 2 | 1 8 | | | 1 | 1 |
| | -5 7 | 6 | 9 | 1 1 | 2 5 | | | 3 | 2 |
| | -5 8 | 8 | 1 4 | 2 1 | 3 8 | | | 7 | 7 |
| | -5 9 | 9 | 2 0 | 1 3 | 4 7 | | | 5 | 1 0 |
| | -6 0 | 1 0 | 2 6 | 1 5 | 5 6 | | | 1 0 | 1 6 |
| | -6 1 | 1 5 | 3 6 | 1 7 | 6 7 | | | 6 | 2 0 |
| | -6 2 | 1 8 | 4 7 | 1 7 | 7 7 | | | 5 | 2 3 |
| | -6 3 | 1 7 | 5 8 | 1 2 | 8 5 | | | 6 | 3 3 |
| | -6 4 | 1 8 | 6 9 | 1 1 | 9 2 | | | 9 | 3 8 |
| | -6 5 | 1 0 | 7 5 | 5 | 9 5 | | | 1 1 | 4 5 |
| | -6 6 | 1 1 | 8 2 | 4 | 9 8 | | | 2 2 | 5 9 |
| | -6 7 | 1 4 | 9 1 | 2 | 9 9 | | | 1 6 | 6 9 |
| | -6 8 | 4 | 9 4 | | | | | 2 2 | 8 2 |
| | -6 9 | 2 | 9 5 | 1 | 9 9 | | | 1 0 | 8 8 |
| | -7 0 | 2 | 9 6 | 1 | 1 0 0 | | | 9 | 9 4 |
| | -7 1 | 3 | 9 8 | | | | | 5 | 9 7 |
| | -7 2 | 3 | 1 0 0 | | | | | 2 | 9 8 |
| | -7 3 | | | | | | | 2 | 9 9 |
| | -7 4 | | | | | | | | |
| | -7 5 | | | | | 1 | 1 0 0 | 1 | 1 0 0 |
| 8 0 | -5 1 | | | | | | | | |
| | -5 2 | | | 1 | 1 | | | | |
| | -5 3 | | | 2 | 3 | | | | |
| | -5 4 | | | 3 | 4 | | | | |
| | -5 5 | 2 | 1 | 5 | 8 | | | 1 | 1 |
| | -5 6 | 1 | 2 | 9 | 1 3 | | | 1 2 | 1 1 |
| | -5 7 | 4 | 5 | 1 5 | 2 3 | | | 3 | 3 |
| | -5 8 | 6 | 9 | 1 5 | 3 3 | | | 5 | 5 |
| | -5 9 | 7 | 1 3 | 1 8 | 4 4 | | | 4 | 7 |
| | -6 0 | 1 2 | 1 3 | 8 | 4 9 | | | 1 3 | 1 6 |
| | -6 1 | 1 6 | 3 2 | 2 1 | 6 3 | | | 1 0 | 2 3 |
| | -6 2 | 1 7 | 4 3 | 1 3 | 7 1 | | | 1 5 | 3 2 |
| | -6 3 | 1 7 | 5 5 | 1 8 | 8 3 | | | 1 4 | 4 2 |
| | -6 4 | 1 3 | 6 1 | 6 | 8 7 | | | 1 6 | 5 2 |
| | -6 5 | 1 0 | 7 0 | 9 | 9 2 | | | 1 8 | 6 4 |
| | -6 6 | 1 3 | 7 9 | 6 | 9 6 | | | 1 8 | 7 6 |
| | -6 7 | 1 0 | 8 5 | 2 | 9 7 | | | 1 3 | 8 5 |
| | -6 8 | 1 2 | 9 3 | 1 | 9 8 | | | 1 3 | 9 3 |
| | -6 9 | 3 | 9 5 | 3 | 1 0 0 | | | 5 | 9 7 |
| | -7 0 | 2 | 9 7 | | | | | 3 | 9 9 |
| | -7 1 | 3 | 9 9 | | | | | | |
| | -7 2 | | | | | | 2 | 1 0 0 | |
| | -7 3 | 2 | 1 0 0 | | | | | | |

TABLE II.- Continued.

[Las Vegas]

| Pressure, mb | T, deg C | Winter | | Spring | | Summer | | Fall | |
|--------------|----------|-----------------------|-----|-----------------------|-----|-----------------------|-----|-----------------------|-----|
| | | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd |
| 60 | -50 | | | 1 | 1 | 1 | 1 | | |
| | -51 | | | | | | | | |
| | -52 | | | | | | | | |
| | -53 | 1 | 1 | 4 | 3 | 1 | 1 | 2 | 1 |
| | -54 | | | 3 | 6 | 2 | 3 | 3 | 2 |
| | -55 | 1 | 1 | 8 | 11 | 9 | 10 | 11 | 10 |
| | -56 | 3 | 4 | 16 | 24 | 15 | 21 | 9 | 16 |
| | -57 | 6 | 8 | 17 | 35 | 19 | 35 | 22 | 31 |
| | -58 | 15 | 19 | 14 | 45 | 25 | 53 | 22 | 41 |
| | -59 | 17 | 31 | 23 | 61 | 27 | 73 | 16 | 53 |
| | -60 | 11 | 39 | 19 | 74 | 16 | 85 | 19 | 68 |
| | -61 | 21 | 55 | 13 | 83 | 13 | 94 | 22 | 88 |
| | -62 | 7 | 60 | 8 | 89 | 3 | 96 | 19 | 80 |
| | -63 | 13 | 69 | 6 | 93 | 4 | 99 | 13 | 92 |
| | -64 | 16 | 81 | 6 | 97 | 1 | 100 | 6 | 99 |
| | -65 | 8 | 87 | 1 | 98 | | | 10 | 99 |
| | -66 | 7 | 92 | | | | | 1 | 99 |
| | -67 | 6 | 96 | 1 | 99 | | | 1 | 100 |
| | -68 | 1 | 97 | 1 | 99 | | | | |
| | -69 | 1 | 98 | 1 | 100 | | | | |
| | -70 | 1 | 99 | | | | | | |
| | -71 | | | | | | | | |
| | -72 | 2 | 100 | | | | | | |
| 40 | -49 | | | 1 | 1 | 3 | 2 | | |
| | -50 | | | 1 | 2 | 1 | 1 | 1 | 1 |
| | -51 | | | 5 | 6 | 7 | 10 | 1 | 1 |
| | -52 | | | 4 | 9 | 7 | 25 | 12 | 10 |
| | -53 | 7 | 6 | 16 | 21 | 17 | 25 | 12 | 19 |
| | -54 | 3 | 8 | 24 | 40 | 38 | 59 | 11 | 27 |
| | -55 | 9 | 16 | 20 | 56 | 13 | 92 | 18 | 40 |
| | -56 | 10 | 24 | 17 | 70 | 6 | 97 | 17 | 52 |
| | -57 | 15 | 37 | 14 | 81 | 2 | 99 | 15 | 63 |
| | -58 | 21 | 54 | 14 | 93 | 1 | 100 | 17 | 75 |
| | -59 | 10 | 62 | 5 | 96 | | | 11 | 83 |
| | -60 | 11 | 72 | 2 | 98 | | | 10 | 90 |
| | -61 | 10 | 80 | 2 | 98 | | | 9 | 96 |
| | -62 | 9 | 88 | 3 | 100 | | | 5 | 100 |
| | -63 | 3 | 90 | | | | | | |
| | -64 | 5 | 94 | | | | | | |
| | -65 | 1 | 95 | | | | | | |
| | -66 | 1 | 96 | | | | | | |
| | -67 | | | | | | | | |
| | -68 | 1 | 97 | | | | | | |
| | -69 | 1 | 98 | | | | | | |
| | -70 | | | | | | | | |
| | -71 | 2 | 99 | | | | | | |
| | -72 | 1 | 100 | | | | | | |
| 30 | -45 | | | | | 1 | 1 | | |
| | -46 | | | | | | | | |
| | -47 | | | | | | | | |
| | -48 | | | | | | | | |
| | -49 | | | | | | | | |
| | -50 | | | | | | | | |
| | -51 | | | | | | | | |
| | -52 | | | | | | | | |
| | -53 | 7 | 8 | 10 | 54 | 1 | 100 | 15 | 48 |
| | -54 | 17 | 27 | 15 | 72 | | | 13 | 59 |
| | -55 | 20 | 49 | 10 | 84 | | | 15 | 72 |
| | -56 | 9 | 59 | 9 | 95 | | | 12 | 83 |
| | -57 | 9 | 69 | 3 | 99 | | | 9 | 91 |
| | -58 | 12 | 82 | 1 | 100 | | | 7 | 97 |
| | -59 | 4 | 87 | | | | | 3 | 99 |
| | -60 | 6 | 93 | | | | | 1 | 100 |
| | -61 | 1 | 94 | | | | | | |
| | -62 | 2 | 97 | | | | | | |
| | -63 | 1 | 98 | | | | | | |
| | -64 | | | | | | | | |
| | -65 | | | | | | | | |
| | -66 | 2 | 100 | | | | | | |

TABLE II.- Continued.
Las Vegas

| Pressure, mb | T, deg C | Winter | | Spring | | Summer | | Fall | |
|--------------|----------|-----------------------|-----|-----------------------|-----|-----------------------|-----|-----------------------|-----|
| | | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd |
| 20 | -40 | | | | | 1 | 2 | | |
| | -41 | | | | | 3 | 6 | | |
| | -42 | | | | | 21 | | | |
| | -43 | | | 2 | 6 | 29 | | | |
| | -44 | | | 1 | 9 | 44 | | | |
| | -45 | | | | | 52 | | | |
| | -46 | | | | | 5 | 52 | | |
| | -47 | | | 2 | 14 | 69 | | | |
| | -48 | | | 2 | 20 | 13 | | | |
| | -49 | | | 6 | 37 | 90 | | | |
| | -50 | | | 1 | 40 | 94 | | | |
| | -51 | 5 | 7 | 4 | 51 | 2 | 97 | 3 | 72 |
| | -52 | 7 | 16 | 1 | 54 | 2 | 100 | 1 | 81 |
| | -53 | 8 | 27 | 2 | 60 | | | 2 | 84 |
| | -54 | 16 | 49 | 3 | 69 | | | | 91 |
| | -55 | 16 | 71 | 6 | 86 | | | 1 | 28 |
| | -56 | 5 | 78 | 1 | 89 | | | 2 | 34 |
| | -57 | 5 | 85 | 4 | 100 | | | | 50 |
| | -58 | 2 | 88 | | | | | | 50 |
| | -59 | 1 | 89 | | | | | | 50 |
| | -60 | 1 | 91 | | | | | | 50 |
| | -61 | 2 | 93 | | | | | | 50 |
| | -62 | 3 | 97 | | | | | | 50 |
| | -63 | 1 | 99 | | | | | | 50 |
| | -64 | | | | | | | | |
| | -65 | | | | | | | | |
| | -66 | | | | | | | | |
| | -67 | 1 | 100 | | | | | | |
| 15 | -40 | | | | | 1 | 7 | | |
| | -41 | | | | | 2 | 21 | | |
| | -42 | | | | | 1 | 29 | | |
| | -43 | | | 1 | 14 | 2 | 43 | | |
| | -44 | | | | | 3 | 64 | | |
| | -45 | | | | | 4 | 93 | 1 | 50 |
| | -46 | | | | | | | 1 | 100 |
| | -47 | 2 | 8 | | | | | | |
| | -48 | | | | | | | | |
| | -49 | | | | | 1 | 100 | | |
| | -50 | 2 | 15 | 2 | 43 | | | | |
| | -51 | 5 | 35 | | | | | | |
| | -52 | 3 | 46 | 1 | 57 | | | | |
| | -53 | 6 | 69 | 1 | 71 | | | | |
| | -54 | 1 | 73 | 1 | 86 | | | | |
| | -55 | 2 | 81 | 1 | 100 | | | | |
| | -56 | 2 | 88 | | | | | | |
| | -57 | 2 | 96 | | | | | | |
| | -58 | 1 | 100 | | | | | | |
| 10 | -47 | 1 | 100 | | | | | | |
| | | | | [Ely] | | | | | |
| 100 | -46 | 1 | 1 | | | | | | |
| | -47 | | | | | | | | |
| | -48 | | | 1 | 1 | | | | |
| | -49 | | | | | | | | |
| | -50 | 1 | 1 | 1 | 1 | | | | |
| | -51 | | | 1 | 2 | | | | |
| | -52 | 1 | 2 | 9 | 8 | | | | |
| | -53 | 4 | 5 | 11 | 14 | | | 1 | 3 |
| | -54 | 7 | 9 | 11 | 21 | | | | |
| | -55 | 7 | 14 | 8 | 26 | | | 1 | 4 |
| | -56 | 10 | 20 | 14 | 35 | | | 1 | 7 |
| | -57 | 6 | 24 | 13 | 43 | | | 1 | 10 |
| | -58 | 13 | 32 | 23 | 57 | | | 1 | 19 |
| | -59 | 15 | 42 | 15 | 67 | 11 | | 1 | 23 |
| | -60 | 17 | 53 | 16 | 77 | 15 | | 1 | 31 |
| | -61 | 18 | 65 | 12 | 84 | 7 | | 1 | 35 |
| | -62 | 24 | 80 | 13 | 93 | 13 | | 1 | 43 |
| | -63 | 6 | 84 | 4 | 95 | 28 | | 1 | 51 |
| | -64 | 14 | 93 | 4 | 98 | 29 | | 1 | 60 |
| | -65 | 2 | 94 | 1 | 98 | 15 | | 1 | 69 |
| | -66 | 3 | 96 | 2 | 99 | 11 | | 1 | 85 |
| | -67 | 2 | 97 | 1 | 100 | 7 | | 1 | 92 |
| | -68 | 2 | 99 | | | 6 | | 1 | 95 |
| | -69 | | | | | 3 | | 2 | 96 |
| | -70 | 1 | 99 | | | | | 1 | 98 |
| | -71 | 1 | 100 | | | 1 | | 3 | 100 |

TABLE II.- Continued.

[Ely]

| Pressure, mb | T, deg C | Winter | | Spring | | Summer | | Fall | |
|--------------|----------|-----------------------|-----|-----------------------|-----|-----------------------|-----|-----------------------|-----|
| | | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd |
| 80 | -50 | | | | | | | | |
| | -51 | 1 | 1 | 5 | 3 | | | | |
| | -52 | 1 | 1 | 6 | 7 | | | | |
| | -53 | 1 | 2 | 14 | 16 | 2 | 1 | 3 | 2 |
| | -54 | 2 | 3 | 7 | 21 | 1 | 2 | 6 | 6 |
| | -55 | 12 | 12 | 7 | 30 | 3 | 4 | 6 | 10 |
| | -56 | 7 | 17 | 15 | 40 | 8 | 9 | 5 | 13 |
| | -57 | 11 | 24 | 15 | 51 | 13 | 17 | 14 | 22 |
| | -58 | 13 | 33 | 18 | 65 | 19 | 30 | 9 | 27 |
| | -59 | 15 | 43 | 21 | 76 | 24 | 45 | 16 | 37 |
| | -60 | 25 | 61 | 17 | 86 | 25 | 61 | 17 | 48 |
| | -61 | 9 | 67 | 16 | 92 | 30 | 81 | 29 | 66 |
| | -62 | 16 | 78 | 9 | 92 | 30 | 81 | 29 | 66 |
| | -63 | 8 | 84 | 5 | 95 | 17 | 91 | 14 | 75 |
| | -64 | 5 | 87 | 3 | 97 | 5 | 95 | 17 | 85 |
| | -65 | 8 | 92 | 4 | 99 | 6 | 99 | 9 | 91 |
| | -66 | 4 | 95 | 1 | 100 | 2 | 100 | 5 | 94 |
| | -67 | 1 | 96 | | | | | 5 | 97 |
| | -68 | 2 | 97 | | | | | 2 | 98 |
| | -69 | | | | | | | 1 | 99 |
| | -70 | 3 | 99 | | | | | 2 | 100 |
| | -71 | | | | | | | | |
| | -72 | 1 | 100 | | | | | | |
| 60 | -49 | 1 | 1 | | | | | | |
| | -50 | | | | | | | | |
| | -51 | 3 | 2 | 2 | 1 | 1 | 1 | 2 | 1 |
| | -52 | 3 | 5 | 7 | 6 | 6 | 5 | 3 | 5 |
| | -53 | 3 | 10 | 10 | 13 | 16 | 16 | 5 | 8 |
| | -54 | 7 | 10 | 15 | 23 | 22 | 31 | 8 | 13 |
| | -55 | 8 | 15 | 25 | 38 | 35 | 54 | 15 | 23 |
| | -56 | 14 | 25 | 22 | 52 | 29 | 74 | 20 | 36 |
| | -57 | 10 | 32 | 22 | 76 | 23 | 89 | 16 | 46 |
| | -58 | 13 | 41 | 16 | 63 | 23 | 95 | 20 | 59 |
| | -59 | 11 | 49 | 19 | 76 | 5 | 98 | 23 | 74 |
| | -60 | 16 | 60 | 18 | 88 | 5 | 100 | 13 | 88 |
| | -61 | 11 | 68 | 9 | 94 | 3 | 100 | 10 | 94 |
| | -62 | 8 | 73 | 6 | 98 | | | 4 | 97 |
| | -63 | 14 | 83 | | | | | 2 | 98 |
| | -64 | 8 | 89 | | | | | 3 | 100 |
| | -65 | 4 | 92 | 2 | 99 | | | | |
| | -66 | 6 | 96 | 1 | 100 | | | | |
| | -67 | 4 | 99 | | | | | | |
| | -68 | 2 | 100 | | | | | | |
| 40 | -48 | | | | | | | | |
| | -49 | | | | | | | | |
| | -50 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | -51 | 1 | 2 | 2 | 3 | 19 | 15 | 1 | 2 |
| | -52 | 7 | 8 | 9 | 17 | 33 | 24 | 5 | 9 |
| | -53 | 9 | 17 | 23 | 38 | 25 | 59 | 16 | 26 |
| | -54 | 12 | 28 | 16 | 53 | 28 | 78 | 25 | 44 |
| | -55 | 4 | 32 | 13 | 65 | 6 | 99 | 13 | 53 |
| | -56 | 9 | 41 | 9 | 73 | 1 | 100 | 15 | 60 |
| | -57 | 8 | 48 | 11 | 83 | | | 9 | 70 |
| | -58 | 10 | 55 | 9 | 91 | | | 16 | 82 |
| | -59 | 12 | 69 | 22 | 93 | | | 4 | 84 |
| | -60 | 18 | 86 | 3 | 96 | | | 7 | 89 |
| | -61 | 5 | 91 | 4 | 99 | | | 6 | 94 |
| | -62 | 4 | 94 | | | | | 7 | 99 |
| | -63 | 1 | 95 | | | | | | |
| | -64 | 1 | 96 | 1 | 100 | | | 2 | 100 |
| | -65 | 1 | 97 | | | | | | |
| | -66 | 2 | 99 | | | | | | |
| | -67 | 1 | 100 | | | | | | |
| 30 | -46 | | | | | | | | |
| | -47 | | | | | | | | |
| | -48 | | | | | | | | |
| | -49 | | | | | | | | |
| | -50 | | | | | | | | |
| | -51 | 1 | 2 | 10 | 46 | 11 | 13 | 2 | 2 |
| | -52 | 4 | 8 | 6 | 57 | 23 | 36 | 3 | 4 |
| | -53 | 8 | 22 | 7 | 70 | 22 | 57 | 12 | 15 |
| | -54 | 7 | 34 | 7 | 83 | 19 | 75 | 14 | 27 |
| | -55 | 2 | 37 | 2 | 87 | 9 | 98 | 15 | 40 |
| | -56 | 3 | 42 | 3 | 93 | | | 9 | 59 |
| | -57 | 12 | 63 | | | | | 7 | 65 |
| | -58 | 10 | 80 | 4 | 100 | 2 | 100 | 10 | 74 |
| | -59 | 3 | 85 | | | | | 11 | 83 |
| | -60 | 6 | 95 | | | | | 5 | 100 |
| | -61 | 1 | 97 | | | | | | |
| | -62 | 1 | 98 | | | | | | |
| | -63 | | | | | | | | |
| | -64 | | | | | | | | |
| | -65 | | | | | | | | |
| | -66 | | | | | | | | |
| | -67 | | | | | | | | |

TABLE II.- Continued.

[Ely]

| Pressure, mb | T, deg C | Winter | | Spring | | Summer | | Fall | |
|--------------|----------|-----------------------|-----|-----------------------|-----|-----------------------|-----|-----------------------|-----|
| | | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd |
| 20 | -42 | | | | | 5 | 9 | | |
| | -43 | | | | | 5 | 19 | 1 | 3 |
| | -44 | | | | | 8 | 34 | 1 | 5 |
| | -45 | | | 2 | 17 | 4 | 42 | 2 | 11 |
| | -46 | | | | | 14 | 68 | 7 | 29 |
| | -47 | | | 1 | 25 | 9 | 85 | 2 | 34 |
| | -48 | | | 1 | 33 | 3 | 91 | 5 | 47 |
| | -49 | | | 2 | 50 | 3 | 96 | 1 | 50 |
| | -50 | 1 | 3 | 1 | 58 | 1 | 98 | 1 | 53 |
| | -51 | | | | 67 | 1 | 100 | | |
| | -52 | 1 | 6 | 2 | 83 | | | 4 | 63 |
| | -53 | 3 | 14 | 1 | 92 | | | | |
| | -54 | 6 | 31 | | | | | 5 | 76 |
| | -55 | 2 | 37 | | | | | 2 | 82 |
| | -56 | 4 | 49 | | | | | 5 | 95 |
| | -57 | 5 | 63 | | | | | 1 | 97 |
| | -58 | 5 | 77 | 1 | 100 | | | 1 | 100 |
| | -59 | 5 | 91 | | | | | | |
| | -60 | | | | | | | | |
| | -61 | 2 | 97 | | | | | | |
| | -62 | 1 | 100 | | | | | | |
| 15 | -40 | | | | | 2 | 15 | | |
| | -41 | | | | | 1 | 23 | | |
| | -42 | | | | | 3 | 46 | | |
| | -43 | | | | | 1 | 54 | 1 | 25 |
| | -44 | | | | | 4 | 85 | 1 | 50 |
| | -45 | | | | | 2 | 100 | | |
| | -46 | | | | | | | | |
| | -47 | | | | | | | | |
| | -48 | | | 1 | 100 | | | 1 | 75 |
| | -49 | | | | | | | | |
| | -50 | | | | | | | | |
| | -51 | | | | | | | 1 | 100 |
| | -52 | | | | | | | | |
| | -53 | | | | | | | | |
| | -54 | | | | | | | | |
| | -55 | | | | | | | | |
| | -56 | | | | | | | | |
| | -57 | | | | | | | | |
| | -58 | | | | | | | | |
| | -59 | | | 1 | 100 | | | | |
| 10 | -40 | | | | | 1 | 50 | | |
| | -41 | | | | | | | | |
| | -42 | | | | | | | | |
| | -43 | | | | | | | | |
| | -44 | | | | | | | | |
| | -45 | | | | | | | | |
| | -46 | | | | | | | | |
| | -47 | | | | | | | | |

[Salt Lake City]

| | | | | | | | | | |
|-----|-----|----|-----|----|-----|----|-----|----|-----|
| 100 | -49 | 1 | 1 | 6 | 4 | | | 1 | 1 |
| | -50 | 3 | 3 | 5 | 6 | | | | |
| | -51 | | | 12 | 13 | 2 | 1 | 1 | 1 |
| | -52 | | | 14 | 22 | | | | |
| | -53 | 3 | 5 | 8 | 26 | 3 | 3 | 3 | 4 |
| | -54 | 5 | 8 | 8 | 36 | 4 | 5 | 1 | 4 |
| | -55 | 8 | 13 | 17 | 36 | 4 | 5 | 6 | 8 |
| | -56 | 8 | 18 | 22 | 49 | 4 | 7 | | |
| | -57 | 9 | 24 | 15 | 58 | 5 | 10 | 12 | 15 |
| | -58 | 15 | 34 | 17 | 68 | 10 | 16 | 10 | 21 |
| | -59 | 17 | 45 | 17 | 78 | 10 | 22 | 7 | 25 |
| | -60 | 21 | 58 | 14 | 86 | 22 | 34 | 12 | 33 |
| | -61 | 11 | 65 | 10 | 92 | 26 | 49 | 16 | 42 |
| | -62 | 16 | 76 | 6 | 95 | 23 | 62 | 12 | 49 |
| | -63 | 12 | 83 | 5 | 98 | 29 | 78 | 14 | 58 |
| | -64 | 8 | 88 | 1 | 99 | 11 | 85 | 19 | 69 |
| | -65 | 3 | 90 | 2 | 100 | 16 | 94 | 12 | 77 |
| | -66 | 4 | 93 | | | 5 | 97 | 12 | 84 |
| | -67 | 7 | 97 | | | 4 | 99 | 11 | 90 |
| | -68 | 1 | 98 | | | 2 | 100 | 8 | 95 |
| | -69 | | | | | | | 5 | 98 |
| | -70 | | | | | | | 3 | 100 |
| | -71 | 1 | 99 | | | | | | |
| | -72 | 1 | 99 | | | | | | |
| | -73 | 1 | 100 | | | | | | |

TABLE II.- Continued.
[Salt Lake City]

| Pressure, mb | T, deg C | Winter | | Spring | | Summer | | Fall | |
|--------------|----------|-----------------------|-----|-----------------------|-----|-----------------------|-----|-----------------------|-----|
| | | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd |
| 80 | -49 | 1 | 1 | | | | | | |
| | -50 | | | 1 | 1 | | | | |
| | -51 | 2 | 2 | 2 | 2 | | | 1 | 1 |
| | -52 | 2 | 3 | 6 | 5 | | | | |
| | -53 | 3 | 5 | 10 | 11 | 2 | | 1 | 1 |
| | -54 | 5 | 9 | 16 | 21 | 3 | 3 | 5 | 4 |
| | -55 | 5 | 12 | 11 | 28 | 5 | 6 | 3 | 6 |
| | -56 | 8 | 18 | 17 | 38 | 12 | 13 | 11 | 13 |
| | -57 | 9 | 24 | 33 | 58 | 12 | 20 | 10 | 19 |
| | -58 | 12 | 32 | 19 | 69 | 19 | 31 | 14 | 27 |
| | -59 | 19 | 45 | 16 | 79 | 42 | 55 | 11 | 34 |
| | -60 | 22 | 59 | 16 | 89 | 32 | 73 | 14 | 43 |
| | -61 | 13 | 68 | 7 | 93 | 21 | 66 | 14 | 51 |
| | -62 | 14 | 78 | 4 | 95 | 17 | 95 | 23 | 63 |
| | -63 | 7 | 82 | 5 | 98 | 7 | 99 | 17 | 76 |
| | -64 | 8 | 88 | 1 | 99 | 1 | 100 | 19 | 87 |
| | -65 | 6 | 92 | 2 | 100 | | | 10 | 93 |
| | -66 | 2 | 93 | | | | | 4 | 96 |
| | -67 | 3 | 95 | | | | | 4 | 98 |
| | -68 | | | | | | | 3 | 100 |
| | -69 | 3 | 97 | | | | | | |
| | -70 | 1 | 98 | | | | | | |
| | -71 | | | | | | | | |
| | -72 | 2 | 99 | | | | | | |
| | -73 | 1 | 100 | | | | | | |
| 60 | -48 | 1 | 1 | | | | | | |
| | -49 | | | | | | | | |
| | -50 | | | | | | | | |
| | -51 | 2 | 2 | 1 | 1 | 4 | 3 | 1 | 1 |
| | -52 | 2 | 4 | 2 | 5 | 3 | 5 | 2 | 2 |
| | -53 | 1 | 4 | 10 | 12 | 17 | 15 | 8 | 7 |
| | -54 | 5 | 8 | 15 | 20 | 31 | 35 | 16 | 17 |
| | -55 | 6 | 12 | 20 | 35 | 38 | 58 | 14 | 26 |
| | -56 | 11 | 20 | 23 | 49 | 22 | 72 | 14 | 23 |
| | -57 | 8 | 25 | 28 | 67 | 25 | 87 | 21 | 39 |
| | -58 | 20 | 39 | 23 | 82 | 9 | 93 | 17 | 49 |
| | -59 | 12 | 48 | 16 | 92 | 8 | 98 | 16 | 59 |
| | -60 | 17 | 60 | 6 | 96 | | | 23 | 74 |
| | -61 | 11 | 68 | 4 | 99 | 2 | 99 | 10 | 80 |
| | -62 | 16 | 79 | | | | | 11 | 87 |
| | -63 | 11 | 87 | 1 | 99 | | | 8 | 92 |
| | -64 | 6 | 91 | | | | | 7 | 96 |
| | -65 | 4 | 94 | 1 | 100 | 2 | 100 | 4 | 99 |
| | -66 | 1 | 94 | | | | | 2 | 100 |
| | -67 | 4 | 97 | | | | | | |
| | -68 | | | | | | | | |
| | -69 | 1 | 98 | | | | | | |
| | -70 | 2 | 99 | | | | | | |
| | -71 | | | | | | | | |
| | -72 | | | | | | | | |
| | -73 | | | | | | | | |
| | -74 | 1 | 100 | | | | | | |
| 40 | -45 | | | | | 1 | 1 | | |
| | -46 | | | | | 3 | 3 | | |
| | -47 | | | | | 8 | 8 | 2 | 1 |
| | -48 | | | | | 12 | 17 | 4 | 4 |
| | -49 | | | | | 23 | 33 | 3 | 6 |
| | -50 | 1 | 1 | 4 | 4 | 40 | 60 | 6 | 10 |
| | -51 | 1 | 2 | 10 | 11 | 20 | 74 | 14 | 20 |
| | -52 | 4 | 5 | 15 | 21 | 17 | 86 | 11 | 27 |
| | -53 | 6 | 9 | 25 | 39 | 11 | 94 | 10 | 34 |
| | -54 | 6 | 14 | 22 | 55 | 8 | 99 | 10 | 41 |
| | -55 | 7 | 20 | 20 | 69 | 1 | 100 | 8 | 46 |
| | -56 | 11 | 28 | 14 | 79 | | | 17 | 57 |
| | -57 | 11 | 37 | 15 | 89 | | | 14 | 67 |
| | -58 | 14 | 48 | 7 | 94 | | | 12 | 75 |
| | -59 | 11 | 57 | 6 | 99 | | | 11 | 82 |
| | -60 | 9 | 64 | 2 | 100 | | | 11 | 90 |
| | -61 | 14 | 75 | | | | | 9 | 96 |
| | -62 | 11 | 83 | | | | | 6 | 100 |
| | -63 | 5 | 87 | | | | | | |
| | -64 | 5 | 91 | | | | | | |
| | -65 | 2 | 93 | | | | | | |
| | -66 | 1 | 94 | | | | | | |
| | -67 | 1 | 94 | | | | | | |
| | -68 | 4 | 98 | | | | | | |
| | -69 | 2 | 99 | | | | | | |
| | -70 | 1 | 100 | | | | | | |

TABLE II.- Continued.
[Salt Lake City]

| Pressure, mb | T, deg C | Winter | | Spring | | Summer | | Fall | |
|--------------|----------|-----------------------|-----|-----------------------|-----|-----------------------|-----|-----------------------|-----|
| | | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd |
| 30 | -42 | | | | | 4 | | 3 | |
| | -43 | | | | | 5 | | 7 | |
| | -44 | | | | | 12 | | 16 | |
| | -45 | | | | | 12 | | 25 | |
| | -46 | | | | | 23 | | 43 | |
| | -47 | | | | | 20 | | 58 | |
| | -48 | | | | | 19 | | 73 | |
| | -49 | | | | | 20 | | 88 | |
| | -50 | 1 | 2 | 17 | 27 | 7 | | 9 | |
| | -51 | 2 | 4 | 17 | 41 | 6 | | 6 | |
| | -52 | 5 | 9 | 15 | 54 | 3 | | 3 | |
| | -53 | 4 | 13 | 15 | 67 | | | 9 | |
| | -54 | 5 | 18 | 15 | 80 | | | 9 | |
| | -55 | 15 | 32 | 13 | 91 | | | 11 | |
| | -56 | 8 | 40 | 22 | 93 | | | 6 | |
| | -57 | 13 | 53 | 5 | 97 | | | 14 | |
| | -58 | 8 | 61 | 1 | 98 | | | 10 | |
| | -59 | 5 | 66 | 1 | 99 | | | 6 | |
| | -60 | 12 | 77 | 1 | 100 | | | 3 | |
| | -61 | 6 | 83 | | | | | 10 | |
| | -62 | 5 | 88 | | | | | 99 | |
| | -63 | 4 | 92 | | | | | 2 | |
| | -64 | 3 | 95 | | | | | 100 | |
| | -65 | 1 | 96 | | | | | | |
| | -66 | 2 | 98 | | | | | | |
| | -67 | 1 | 99 | | | | | | |
| | -68 | | | | | | | | |
| | -69 | | | | | | | | |
| | -70 | 1 | 100 | | | | | | |
| 20 | -37 | | | | | 2 | | 1 | |
| | -38 | | | | | 2 | | 6 | |
| | -39 | | | | | 5 | | 15 | |
| | -40 | | | | | 3 | | 23 | |
| | -41 | | | | | 11 | | 41 | |
| | -42 | | | | | 16 | | 52 | |
| | -43 | | | | | 23 | | 68 | |
| | -44 | | | | | 20 | | 82 | |
| | -45 | | | | | 14 | | 95 | |
| | -46 | | | | | 5 | | 99 | |
| | -47 | | | | | 4 | | 99 | |
| | -48 | | | | | 5 | | 99 | |
| | -49 | | | | | 4 | | 99 | |
| | -50 | 1 | 4 | 10 | 46 | 1 | | 11 | |
| | -51 | 4 | 9 | 7 | 53 | 1 | | 10 | |
| | -52 | 3 | 13 | 10 | 63 | 1 | | 7 | |
| | -53 | 5 | 19 | 16 | 78 | 1 | | 10 | |
| | -54 | 6 | 27 | 6 | 84 | | | 7 | |
| | -55 | 2 | 29 | 6 | 89 | | | 9 | |
| | -56 | 6 | 37 | 2 | 91 | | | 5 | |
| | -57 | 7 | 46 | 3 | 94 | | | 6 | |
| | -58 | 4 | 55 | 2 | 96 | | | 94 | |
| | -59 | 6 | 68 | 2 | 98 | | | 99 | |
| | -60 | 3 | 72 | | 100 | | | | |
| | -61 | 6 | 79 | | | | | 1 | |
| | -62 | 3 | 83 | | | | | 100 | |
| | -63 | 2 | 86 | | | | | | |
| | -64 | 4 | 91 | | | | | | |
| | -65 | 4 | 96 | | | | | | |
| | -66 | 1 | 97 | | | | | | |
| | -67 | 1 | 99 | | | | | | |
| | -68 | | | | | | | | |
| | -69 | 1 | 100 | | | | | | |
| 15 | -36 | | | | | 2 | | 3 | |
| | -37 | | | | | 7 | | 12 | |
| | -38 | | | | | 5 | | 18 | |
| | -39 | | | | | 8 | | 24 | |
| | -40 | | | | | 9 | | 35 | |
| | -41 | | | | | 8 | | 46 | |
| | -42 | | | | | 7 | | 55 | |
| | -43 | 1 | 3 | 3 | 16 | 16 | | 22 | |
| | -44 | | | 5 | 31 | 8 | | 22 | |
| | -45 | 1 | | 7 | 39 | 5 | | 33 | |
| | -46 | | | 4 | 3 | 9 | | 53 | |
| | -47 | 1 | 10 | 5 | 45 | 3 | | 63 | |
| | -48 | 2 | 17 | 4 | 55 | 1 | | 71 | |
| | -49 | 2 | 21 | 5 | 63 | 1 | | 79 | |
| | -50 | 1 | | 5 | 73 | 1 | | 84 | |
| | -51 | | | 4 | 82 | | | 88 | |
| | -52 | | | 4 | 90 | | | 90 | |
| | -53 | 5 | 38 | 2 | 94 | | | 94 | |
| | -54 | | | 1 | 96 | | | 98 | |
| | -55 | 2 | 45 | | | | | 1 | |
| | -56 | 1 | 48 | | | | | 100 | |
| | -57 | 1 | 52 | 1 | 98 | | | | |
| | -58 | 1 | 62 | | | | | | |
| | -59 | 3 | 72 | | | | | | |
| | -60 | 5 | 79 | 1 | 100 | | | | |
| | -61 | 2 | 86 | | | | | | |
| | -62 | 2 | 93 | | | | | | |
| | -63 | 2 | 97 | | | | | | |
| | -64 | 1 | | | | | | | |
| | -65 | 1 | | | | | | | |
| | -66 | 1 | | | | | | | |
| | -67 | 1 | 100 | | | | | | |

TABLE II.- Concluded.
[Salt Lake City]

| Pressure, mb | T, deg C | Winter | | Spring | | Summer | | Fall | |
|--------------|----------|-----------------------|-----|-----------------------|-------|-----------------------|-------|-----------------------|-------|
| | | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd |
| 10 | -3 3 | | | | | 1 | 1 1 | | |
| | -3 4 | | | | | 1 | 2 2 | | |
| | -3 5 | | | | | | | | |
| | -3 6 | | | | | 2 | 4 4 | | |
| | -3 7 | | | 1 | 8 | 2 | | 2 | 2 5 |
| | -3 8 | | | | | 2 | 6 7 | | |
| | -3 9 | | | 2 | 2 5 | | | | |
| | -4 0 | | | | | 1 | 7 8 | | |
| | -4 1 | | | | | | | 1 | 3 8 |
| | -4 2 | | | | | 1 | 8 9 | | |
| | -4 3 | | | 1 | 3 3 | | | 1 | 5 0 |
| | -4 4 | | | | | 1 | 1 0 0 | 1 | 6 2 |
| | -4 5 | | | 1 | 4 2 | | | 2 | 8 8 |
| | -4 6 | | | | | | | | |
| | -4 7 | | | 1 | 5 0 | | | | |
| | -4 8 | | | 1 | 5 8 | | | | |
| | -4 9 | | | 5 | 9 2 | | | 1 | 1 0 0 |
| 7 | -4 3 | | | 1 | 5 0 | | | | |
| | -4 4 | | | | | | | | |
| | -4 5 | | | | | | | | |
| | -4 6 | | | 1 | 1 0 0 | | | 1 | 1 0 0 |

TABLE III.—SUMMARY OF PRESSURE HEIGHTS

| Edwards

TABLE III.-Continued.

Edwards

| Pressure, mb | Pressure height, ft | Winter | | Spring | | Summer | | Fall | |
|--------------|---------------------|-----------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|
| | | Number of cases | cpd |
| 40 | 71000- | 4 | 5 | | | | | 1 | 1 |
| | 71199 | | | | | | | | |
| | 71200- | 2 | 7 | | | | | | |
| | 71399 | | | | | | | | |
| | 71400- | 6 | 1.5 | 6 | 1.2 | | | | |
| | 71599 | | | | | | | | |
| | 71600- | 15 | 3.3 | 11 | 3.5 | | | 3 | 5 |
| | 71799 | | | | | | | | |
| | 71800- | 12 | 4.8 | 6 | 4.7 | | | 7 | 1.3 |
| | 71999 | | | | | | | | |
| | 72000- | 17 | 6.8 | 8 | 6.3 | | | 1.5 | 3.1 |
| | 72199 | | | | | | | | |
| | 72200- | 16 | 8.8 | 5 | 7.3 | | | 1.4 | 4.7 |
| | 72399 | | | | | | | | |
| | 72400- | 10 | 100 | 4 | 8.2 | 2 | 4 | 6 | 5.4 |
| | 72599 | | | | | | | | |
| | 72600- | | | 2 | 8.6 | | | 1.5 | 7.2 |
| | 72799 | | | | | | | | |
| | 72800- | | | 6 | 9.8 | 10 | 2.5 | 1.0 | 8.4 |
| | 72999 | | | | | | | | |
| | 73000- | | | 1 | 100 | 12 | 5.0 | 9 | 9.4 |
| | 73199 | | | | | | | | |
| | 73200- | | | | | 7 | 6.5 | 4 | 9.9 |
| | 73399 | | | | | | | | |
| | 73400- | | | | | 11 | 8.8 | 1 | 100 |
| | 73599 | | | | | | | | |
| | 73600- | | | | | 4 | 9.6 | | |
| | 73799 | | | | | | | | |
| | 73800- | | | 2 | 100 | | | | |
| | 73999 | | | | | | | | |
| 30 | 76800- | 2 | 2 | | | | | | |
| | 76999 | | | | | | | | |
| | 77000- | 2 | 5 | | | | | | |
| | 77199 | | | | | | | | |
| | 77200- | 3 | 9 | | | | | 1 | 1 |
| | 77399 | | | | | | | | |
| | 77400- | 10 | 21 | 3 | 6 | | | 2 | 3 |
| | 77599 | | | | | | | | |
| | 77600- | 13 | 38 | 3 | 12 | | | 2 | 6 |
| | 77799 | | | | | | | | |
| | 77800- | 8 | 4.6 | 5 | 2.2 | | | 7 | 1.4 |
| | 77999 | | | | | | | | |
| | 78000- | 11 | 6.1 | 8 | 3.9 | | | 1.1 | 2.6 |
| | 78199 | | | | | | | | |
| | 78200- | 19 | 8.5 | 10 | 5.9 | | | 1.7 | 4.5 |
| | 78399 | | | | | | | | |
| | 78400- | 8 | 9.5 | 8 | 7.6 | | | 8 | 5.5 |
| | 78599 | | | | | | | | |
| | 78600- | 2 | 9.8 | 3 | 8.2 | 2 | 4 | 9 | 6.5 |
| | 78799 | | | | | | | | |
| | 78800- | | | 4 | 9.0 | 3 | 1.0 | 1.6 | 8.3 |
| | 78999 | | | | | | | | |
| | 79000- | 2 | 100 | 5 | 100 | 14 | 3.8 | 9 | 9.3 |
| | 79199 | | | | | | | | |
| | 79200- | | | | | 9 | 5.6 | 3 | 9.6 |
| | 79399 | | | | | 4 | 6.4 | 3 | 100 |
| | 79400- | | | | | | | | |
| | 79599 | | | | | 9 | 8.2 | | |
| | 79600- | | | | | 7 | 9.6 | | |
| | 79799 | | | | | | | | |
| | 79800- | | | | | 2 | 100 | | |
| | 79999 | | | | | | | | |
| | 80000- | | | | | | | | |
| | 80199 | | | | | | | | |
| 20 | 85000- | 2 | 3 | | | | | | |
| | 85199 | | | | | | | | |
| | 85200- | 1 | 4 | | | | | | |
| | 85399 | | | | | | | | |
| | 85400- | 7 | 14 | | | | | | |
| | 85599 | | | | | | | | |
| | 85600- | 2 | 17 | | | | | | |
| | 85799 | | | | | | | | |
| | 85800- | 6 | 26 | | | | | 2 | 3 |
| | 85999 | | | | | | | | |
| | 86000- | 10 | 41 | 3 | 8 | | | 2 | 5 |
| | 86199 | | | | | | | | |
| | 86200- | 4 | 4.6 | 7 | 2.5 | | | 1 | 6 |
| | 86399 | | | | | | | | |
| | 86400- | 9 | 5.9 | 8 | 4.5 | | | 8 | 17 |
| | 86599 | | | | | | | | |
| | 86600- | 11 | 7.5 | 3 | 5.2 | | | 1.0 | 30 |
| | 86799 | | | | | | | | |
| | 86800- | 10 | 9.0 | 2 | 5.8 | | | 8 | 40 |
| | 86999 | | | | | | | | |
| | 87000- | 6 | 9.8 | 5 | 7.0 | | | 9 | 52 |
| | 87199 | | | | | | | | |
| | 87200- | 1 | 100 | 4 | 8.0 | | | 8 | 62 |
| | 87399 | | | | | | | | |
| | 87400- | | | 2 | 8.5 | 2 | 4 | 1.3 | 7.9 |
| | 87599 | | | | | | | | |
| | 87600- | | | 2 | 9.0 | 5 | 1.4 | 4 | 8.4 |
| | 87799 | | | | | | | | |
| | 87800- | | | 4 | 100 | 10 | 3.4 | 8 | 9.5 |
| | 87999 | | | | | | | | |
| | 88000- | | | | | 10 | 5.3 | 2 | 9.7 |
| | 88199 | | | | | | | | |
| | 88200- | | | | | 9 | 7.1 | 2 | 100 |
| | 88399 | | | | | | | | |
| | 88400- | | | | | 8 | 8.7 | | |
| | 88599 | | | | | | | | |
| | 88600- | | | | | 5 | 9.6 | | |
| | 88799 | | | | | | | | |
| | 88800- | | | | | 1 | 9.8 | | |
| | 88999 | | | | | | | | |
| | 89000- | | | | | 1 | 100 | | |
| | 89199 | | | | | | | | |

TABLE III.- Continued.

[Edwards]

| Pressure, mb | Pressure height, ft | Winter | | Spring | | Summer | | Fall | |
|--------------|---------------------|-----------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|
| | | Number of cases | cpd |
| 15 | 91000- | 1 | 2 | | | | | | |
| | 91199 | | | | | | | | |
| | 91200- | 4 | 8 | | | | | | |
| | 91399 | | | | | | | | |
| | 91400- | 2 | 11 | | | | | | |
| | 91599 | | | | | | | | |
| | 91600- | 2 | 14 | | | | | | |
| | 91799 | | | | | | | | |
| | 91800- | 7 | 26 | | | | | 1 | 2 |
| | 91999 | | | | | | | | |
| | 92000- | 6 | 35 | | | | | | |
| | 92199 | | | | | | | | |
| | 92200- | 5 | 44 | 3 | 9 | | | 4 | 8 |
| | 92399 | | | | | | | | |
| | 92400- | 7 | 55 | 4 | 21 | | | 1 | 10 |
| | 92599 | | | | | | | | |
| | 92600- | 6 | 64 | 5 | 35 | | | 7 | 22 |
| | 92799 | | | | | | | | |
| | 92800- | 5 | 72 | 4 | 47 | | | 5 | 30 |
| | 92999 | | | | | | | | |
| | 93000- | 8 | 85 | 2 | 53 | | | 10 | 47 |
| | 93199 | | | | | | | | |
| | 93200- | 6 | 95 | 5 | 68 | | | 5 | 56 |
| | 93399 | | | | | | | | |
| | 93400- | 3 | 100 | 2 | 74 | | | 4 | 63 |
| | 93599 | | | | | | | | |
| | 93600- | | | 2 | 79 | 1 | 2 | 6 | 73 |
| | 93799 | | | | | | | | |
| | 93800- | | | 2 | 85 | | | 4 | 80 |
| | 93999 | | | | | | | | |
| | 94000- | | | 4 | 97 | 9 | 22 | 7 | 92 |
| | 94199 | | | | | | | | |
| | 94200- | | | 1 | 100 | 4 | 30 | 1 | 93 |
| | 94399 | | | | | | | | |
| | 94400- | | | | | 10 | 52 | 2 | 97 |
| | 94599 | | | | | | | | |
| | 94600- | | | | | 6 | 65 | 2 | 100 |
| | 94799 | | | | | | | | |
| | 94800- | | | | | 8 | 83 | | |
| | 94999 | | | | | | | | |
| | 95000- | | | | | 3 | 89 | | |
| | 95199 | | | | | | | | |
| | 95200- | | | | | 4 | 98 | | |
| | 95399 | | | | | | | | |
| | 95400- | | | | | 1 | 100 | | |
| | 95599 | | | | | | | | |
| 10 | 99400- | 2 | 5 | | | | | | |
| | 99799 | | | | | | | | |
| | 99800- | 2 | 10 | | | | | | |
| | 100199 | | | | | | | | |
| | 100200- | 3 | 18 | | | | | | |
| | 100599 | | | | | | | | |
| | 100600- | 6 | 32 | | | | | 4 | 11 |
| | 100999 | | | | | | | | |
| | 101000- | 12 | 62 | 1 | 4 | | | 3 | 20 |
| | 101399 | | | | | | | | |
| | 101400- | 6 | 78 | 5 | 26 | | | 6 | 37 |
| | 101799 | | | | | | | | |
| | 101800- | 5 | 90 | 4 | 43 | | | 4 | 49 |
| | 102199 | | | | | | | | |
| | 102200- | 3 | 98 | 6 | 70 | | | 7 | 69 |
| | 102599 | | | | | | | | |
| | 102600- | 1 | 100 | 2 | 78 | 1 | 3 | 3 | 77 |
| | 102999 | | | | | | | | |
| | 103000- | | | 3 | 91 | 8 | 26 | 7 | 97 |
| | 103399 | | | | | | | | |
| | 103400- | | | 2 | 100 | 10 | 54 | 1 | 100 |
| | 103799 | | | | | | | | |
| | 103800- | | | | | 11 | 86 | | |
| | 104199 | | | | | | | | |
| | 104200- | | | | | 5 | 100 | | |
| | 104599 | | | | | | | | |

TABLE III.. Continued.
[Edwards]

| Pressure, mb | Pressure height, ft | Winter | | Spring | | Summer | | Fall | |
|--------------|---------------------|-----------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|
| | | Number of cases | cpd |
| 9 | 102000- | 1 | 4 | | | | | | |
| | 102399 | | | | | | | | |
| | 102400- | 3 | 17 | | | | | 1 | 6 |
| | 102799 | | | | | | | | |
| | 102800- | 3 | 30 | | | | | | |
| | 103199 | | | | | | | | |
| | 103200- | 5 | 52 | | | | | 1 | 12 |
| | 103599 | | | | | | | | |
| | 103600- | 4 | 70 | 4 | 24 | | | | |
| | 103999 | | | | | | | | |
| | 104000- | 3 | 83 | 2 | 35 | | | | |
| | 104399 | | | | | | | | |
| | 104400- | 3 | 96 | 3 | 53 | | | 5 | 44 |
| | 104799 | | | | | | | | |
| | 104800- | 1 | 100 | 3 | 71 | | | 3 | 62 |
| | 105199 | | | | | | | | |
| | 105200- | | | 1 | 76 | 4 | 12 | 5 | 94 |
| | 105599 | | | | | | | | |
| | 105600- | | | 4 | 100 | 11 | 45 | 1 | 100 |
| | 105999 | | | | | | | | |
| | 106000- | | | | | 11 | 79 | | |
| | 106399 | | | | | | | | |
| | 106400- | | | | | 4 | 91 | | |
| | 106799 | | | | | | | | |
| | 106800- | | | | | | | 2 | 97 |
| | 107199 | | | | | | | | |
| | 107200- | | | | | | | | |
| | 107599 | | | | | | | | |
| | 107600- | | | | | 1 | 100 | | |
| | 107999 | | | | | | | | |
| 8 | 104800- | 6 | 26 | | | | | 1 | 1 |
| | 105199 | | | | | | | | |
| | 105200- | | | | | | | | |
| | 105599 | | | | | | | | |
| | 105600- | 2 | 35 | | | | | | |
| | 105999 | | | | | | | | |
| | 106000- | 4 | 52 | | | | | 1 | 14 |
| | 106399 | | | | | | | | |
| | 106400- | 5 | 74 | 2 | 12 | | | | |
| | 106799 | | | | | | | | |
| | 106800- | 2 | 83 | 3 | 31 | | | 3 | 33 |
| | 107199 | | | | | | | | |
| | 107200- | 3 | 96 | 5 | 62 | | | 3 | 53 |
| | 107599 | | | | | | | | |
| | 107600- | 1 | 100 | 2 | 75 | 1 | 3 | 1 | 60 |
| | 107999 | | | | | | | | |
| | 108000- | | | 4 | 100 | 10 | 37 | 6 | 100 |
| | 108399 | | | | | | | | |
| | 108400- | | | | | 5 | 53 | | |
| | 108799 | | | | | | | | |
| | 108800- | | | | | 9 | 83 | | |
| | 109199 | | | | | | | | |
| | 109200- | | | | | 3 | 93 | | |
| | 109599 | | | | | | | | |
| | 109600- | | | | | 2 | 100 | | |
| | 109999 | | | | | | | | |
| 7 | 107400- | 2 | 13 | | | | | | |
| | 107799 | | | | | | | | |
| | 107800- | 1 | 20 | | | | | 1 | 8 |
| | 108199 | | | | | | | | |
| | 108200- | 1 | 27 | | | | | | |
| | 108599 | | | | | | | | |
| | 108600- | 3 | 47 | | | | | 1 | 16 |
| | 108999 | | | | | | | | |
| | 109000- | 2 | 60 | | | | | | |
| | 109399 | | | | | | | | |
| | 109400- | 4 | 87 | 2 | 14 | | | | |
| | 109799 | | | | | | | | |
| | 109800- | 1 | 93 | 2 | 29 | | | | |
| | 110199 | | | | | | | | |
| | 110200- | 1 | 100 | 5 | 64 | | | 2 | 32 |
| | 110599 | | | | | | | | |
| | 110600- | | | 2 | 78 | 1 | 4 | 2 | 64 |
| | 110999 | | | | | | | | |
| | 111000- | | | 1 | 86 | 5 | 26 | 6 | 100 |
| | 111399 | | | | | | | | |
| | 111400- | | | 2 | 100 | 6 | 52 | | |
| | 111799 | | | | | | | | |
| | 111800- | | | | | 4 | 70 | | |
| | 112199 | | | | | | | | |
| | 112200- | | | | | 5 | 91 | | |
| | 112599 | | | | | | | | |
| | 112600- | | | | | 2 | 100 | | |
| | 112999 | | | | | | | | |

TABLE III.-Continued.
[Edwards]

| Pressure, mb | Pressure height, ft | Winter | | Spring | | Summer | | Fall | |
|--------------|---------------------|-----------------|------|-----------------|-----|-----------------|-----|-----------------|-----|
| | | Number of cases | cpd. | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd |
| 6 | 111000- | 2 | 17 | | | | | | |
| | 111399 | | | | | | | | |
| | 111400- | | | | | | | | |
| | 111799 | | | | | | | | |
| | 111800- | 2 | 34 | | | | | | |
| | 112199 | | | | | | | | |
| | 112200- | 1 | 42 | | | | | 1 | 11 |
| | 112599 | | | | | | | | |
| | 112600- | 3 | 67 | 2 | 22 | | | | |
| | 112999 | | | | | | | | |
| | 113000- | 3 | 92 | 1 | 33 | | | | |
| | 113399 | | | | | | | | |
| | 113400- | | | 1 | 45 | | | | |
| | 113799 | | | | | | | | |
| | 113800- | | | 1 | 56 | | | 1 | 22 |
| | 114199 | | | | | | | | |
| | 114200- | | | 1 | 67 | 1 | 5 | 2 | 44 |
| | 114599 | | | | | | | | |
| | 114600- | | | 2 | 89 | 4 | 23 | 5 | 100 |
| | 114999 | | | | | | | | |
| | 115000- | | | 1 | 100 | 5 | 46 | | |
| | 115399 | | | | | | | | |
| | 115400- | 1 | 100 | | | 6 | 73 | | |
| | 115799 | | | | | 3 | 86 | | |
| | 115800- | | | | | | | 2 | 95 |
| | 116199 | | | | | | | | |
| | 116200- | | | | | | | | |
| | 116599 | | | | | | | | |
| | 116600- | 1 | 67 | 1 | 14 | | | | |
| | 116999 | | | | | | | | |
| | 117000- | | | 1 | 28 | | | | |
| | 117399 | | | | | | | | |
| | 117400- | | | | | | | | |
| | 117799 | | | | | | | | |
| | 117800- | 1 | 84 | | | | | | |
| | 118199 | | | | | | | | |
| | 118200- | | | 1 | 42 | | | 2 | 33 |
| | 118599 | | | | | | | | |
| | 118600- | | | 2 | 71 | 2 | 11 | 2 | 67 |
| | 118999 | | | | | | | | |
| | 119000- | | | 2 | 100 | 6 | 44 | 2 | 100 |
| | 119399 | | | | | | | | |
| | 119400- | | | | | 1 | 50 | | |
| | 119799 | | | | | 5 | 78 | | |
| | 119800- | | | | | | | | |
| | 120199 | | | | | | | | |
| | 120200- | | | | | 4 | 100 | | |
| | 120599 | | | | | | | | |
| | 120600- | 1 | 100 | | | | | | |
| | 120999 | | | | | | | | |
| 4 | 120800- | 1 | 100 | | | | | | |
| | 121199 | | | | | | | | |
| | 121200- | | | | | | | | |
| | 121599 | | | | | | | | |
| | 121600- | | | | | | | | |
| | 121999 | | | | | | | | |
| | 122000- | | | | | | | | |
| | 122399 | | | | | | | | |
| | 122400- | | | | | | | | |
| | 122799 | | | | | | | | |
| | 122800- | | | | | | | | |
| | 123199 | | | | | | | | |
| | 123200- | | | | | | | | |
| | 123599 | | | | | | | | |
| | 123600- | | | 1 | 50 | | | 3 | 50 |
| | 123999 | | | | | | | | |
| | 124000- | | | | | 5 | 42 | 3 | 100 |
| | 124399 | | | | | | | | |
| | 124400- | | | 1 | 100 | 1 | 50 | | |
| | 124799 | | | | | | | | |
| | 124800- | | | | | 2 | 67 | | |
| | 125199 | | | | | | | | |
| | 125200- | | | | | 1 | 75 | | |
| | 125399 | | | | | | | | |
| | 125600- | | | | | 2 | 92 | | |
| | 125999 | | | | | | | | |
| | 126000- | | | | | 1 | 100 | | |
| | 126399 | | | | | | | | |

TABLE III:- Continued.
[Edwards]

| Pressure, mb | Pressure height, ft | Winter | | Spring | | Summer | | Fall | |
|--------------|---------------------|-----------------------|-----|-----------------------|-----|-----------------------|-----|-----------------------|-----|
| | | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd |
| 3 | 127200 - | 1 | 100 | | | | | | |
| | 127599 | | | | | | | | |
| | 127600 - | | | | | | | | |
| | 127999 | | | | | | | | |
| | 128000 - | | | | | | | | |
| | 128399 | | | | | | | | |
| | 128400 - | | | | | | | | |
| | 128799 | | | | | | | | |
| | 128800 - | | | | | | | | |
| | 128999 | | | | | | | | |
| | 129200 - | | | | | | | | |
| | 129599 | | | | | | | | |
| | 129600 - | | | | | | | | |
| | 129999 | | | | | | | | |
| | 130000 - | | | 1 | 100 | | | 1 | 50 |
| | 130399 | | | | | | | | |
| | 130400 - | | | | | | | 1 | 100 |
| | 130799 | | | | | | | | |
| | 130800 - | | | | | 4 | 80 | | |
| | 131199 | | | | | | | | |
| | 131200 - | | | | | | | | |
| | 131599 | | | | | | | | |
| | 131600 - | | | | | 1 | 100 | | |
| | 131999 | | | | | | | | |
| 2 | 140000 - | | | | | | | | |
| | 140399 | | | | | 1 | 100 | | |

[Las Vegas]

| | | | | | | | | | |
|-----|---------|----|-----|----|-----|----|-----|----|-----|
| 100 | 52200 - | 1 | 1 | | | | | | |
| | 52399 | | | | | | | | |
| | 52400 - | 3 | 3 | 1 | 1 | | | 1 | 1 |
| | 52599 | | | | | | | | |
| | 52600 - | 11 | 10 | 5 | 4 | | | | |
| | 52799 | | | | | | | | |
| | 52800 - | 20 | 23 | 12 | 12 | | | 2 | 2 |
| | 52999 | | | | | | | | |
| | 53000 - | 48 | 53 | 23 | 27 | | | 12 | 9 |
| | 53199 | | | | | | | | |
| | 53200 - | 34 | 75 | 42 | 53 | | | 17 | 19 |
| | 53399 | | | | | | | | |
| | 53400 - | 23 | 90 | 31 | 72 | | | 18 | 30 |
| | 53599 | | | | | | | | |
| | 53600 - | 11 | 97 | 20 | 84 | | | 25 | 46 |
| | 53799 | | | | | | | | |
| | 53800 - | 2 | 98 | 12 | 92 | 4 | 2 | 28 | 63 |
| | 53999 | | | | | | | | |
| | 54000 - | 2 | 99 | 12 | 100 | 12 | 10 | 16 | 73 |
| | 54199 | | | | | | | | |
| | 54200 - | 1 | 100 | | | 29 | 28 | 26 | 89 |
| | 54399 | | | | | | | | |
| | 54400 - | | | | | 51 | 60 | 15 | 98 |
| | 54599 | | | | | | | | |
| | 54600 - | | | | | 54 | 94 | 3 | 100 |
| | 54799 | | | | | | | | |
| | 54800 - | | | | | 9 | 100 | | |
| | 54999 | | | | | | | | |
| 80 | 57000 - | 3 | 2 | | | | | | |
| | 57199 | | | | | | | | |
| | 57200 - | 14 | 11 | 6 | 4 | | | 1 | 1 |
| | 57399 | | | | | | | | |
| | 57400 - | 29 | 31 | 15 | 14 | | | 3 | 3 |
| | 57599 | | | | | | | | |
| | 57600 - | 57 | 69 | 27 | 32 | | | 18 | 14 |
| | 57799 | | | | | | | | |
| | 57800 - | 27 | 87 | 42 | 60 | | | 21 | 27 |
| | 57999 | | | | | | | | |
| | 58000 - | 17 | 98 | 23 | 75 | | | 26 | 43 |
| | 58199 | | | | | | | | |
| | 58200 - | | | 16 | 85 | 2 | 1 | 27 | 60 |
| | 58399 | | | | | | | | |
| | 58400 - | 3 | 100 | 19 | 97 | 5 | 4 | 20 | 72 |
| | 58599 | | | | | | | | |
| | 58600 - | | | 5 | 100 | 17 | 16 | 19 | 84 |
| | 58799 | | | | | | | | |
| | 58800 - | | | | | 43 | 46 | 20 | 97 |
| | 58999 | | | | | | | | |
| | 59000 - | | | | | 58 | 86 | 5 | 100 |
| | 59199 | | | | | | | | |
| | 59200 - | | | | | 18 | 99 | | |
| | 59399 | | | | | | | | |
| | 59400 - | | | | | 2 | 100 | | |
| | 59599 | | | | | | | | |

TABLE III.—Continued.

Las Vegas

TABLE III.- Continued.

[Las Vegas]

| Pressure, mb | Pressure height, ft | Winter | | Spring | | Summer | | Fall | |
|--------------|---------------------|-----------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|
| | | Number of cases | cpd |
| 20 | 84600- | 1 | 1 | | | | | | |
| | 84799 | | | | | | | | |
| | 84800- | 1 | 2 | | | | | | |
| | 84999 | | | | | | | | |
| | 85000- | 3 | 6 | | | | | | |
| | 85199 | | | | | | | | |
| | 85200- | 3 | 10 | | | | | | |
| | 85399 | | | | | | | | |
| | 85400- | | | | | | | | |
| | 85599 | | | | | | | | |
| | 85600- | 2 | 13 | 1 | 3 | | | | |
| | 85799 | | | | | | | | |
| | 85800- | 6 | 22 | | | | | | |
| | 85999 | | | | | | | | |
| | 86000- | 16 | 45 | 3 | 13 | | | | |
| | 86199 | | | | | | | | |
| | 86200- | 22 | 77 | 4 | 27 | | | 2 | 9 |
| | 86399 | | | | | | | | |
| | 86400- | 14 | 97 | 1 | 30 | | | 1 | 14 |
| | 86599 | | | | | | | | |
| | 86600- | | | 4 | 44 | | | 1 | 16 |
| | 86799 | | | | | | | | |
| | 86800- | 2 | 100 | 4 | 58 | | | 1 | 23 |
| | 86999 | | | | | | | | |
| | 87000- | | | 4 | 72 | | | 4 | 41 |
| | 87199 | | | | | | | | |
| | 87200- | | | 2 | 79 | | | 3 | 54 |
| | 87399 | | | | | | | | |
| | 87400- | | | 2 | 86 | 5 | 8 | 3 | 67 |
| | 87599 | | | | | | | | |
| | 87600- | | | 1 | 89 | 1 | 10 | | |
| | 87799 | | | | | | | | |
| | 87800- | | | 1 | 93 | 9 | 25 | 1 | 72 |
| | 87999 | | | | | | | | |
| | 88000- | | | 2 | 100 | 13 | 47 | | |
| | 88199 | | | | | | | | |
| | 88200- | | | | | 1? | 75 | 1 | 77 |
| | 88399 | | | | | | | | |
| | 88400- | | | | | 4 | 82 | 4 | 55 |
| | 88599 | | | | | | | | |
| | 88600- | | | | | 5 | 90 | 1 | 91 |
| | 88799 | | | | | | | | |
| | 88800- | | | | | 6 | 100 | 2 | 100 |
| | 88999 | | | | | | | | |
| 15 | 91000- | 1 | 4 | | | | | | |
| | 91199 | | | | | | | | |
| | 91200- | 2 | 12 | | | | | | |
| | 91399 | | | | | | | | |
| | 91400- | 1 | 16 | 3 | 38 | | | | |
| | 91599 | | | | | | | | |
| | 91600- | | | | | | | | |
| | 91799 | | | | | | | | |
| | 91800- | 1 | 20 | 1 | 50 | | | | |
| | 91999 | | | | | | | | |
| | 92000- | 2 | 28 | | | | | | |
| | 92199 | | | | | | | | |
| | 92200- | 10 | 68 | 1 | 63 | | | | |
| | 92399 | | | | | | | | |
| | 92400- | 7 | 96 | | | | | | |
| | 92599 | | | | | | | | |
| | 92600- | 1 | 100 | | | | | | |
| | 92799 | | | | | | | | |
| | 92800- | | | | | | | | |
| | 92999 | | | | | | | | |
| | 93000- | | | 1 | 75 | | | | |
| | 93199 | | | | | | | | |
| | 93200- | | | 1 | 88 | | | | |
| | 93399 | | | | | | | | |
| | 93400- | | | | | 1 | 7 | 1 | 50 |
| | 93599 | | | | | | | | |
| | 93600- | | | | | | | | |
| | 93799 | | | | | | | | |
| | 93800- | | | | | | | | |
| | 93999 | | | | | | | | |
| | 94000- | | | 1 | 100 | 1 | 14 | | |
| | 94199 | | | | | | | | |
| | 94200- | | | | | 4 | 43 | 1 | 100 |
| | 94399 | | | | | | | | |
| | 94400- | | | | | 4 | 72 | | |
| | 94599 | | | | | | | | |
| | 94600- | | | | | 3 | 93 | | |
| | 94799 | | | | | | | | |
| | 94800- | | | | | | | | |
| | 94999 | | | | | | | | |
| | 95000- | | | | | 1 | 100 | | |
| | 95199 | | | | | | | | |
| 10 | 100600- | 1 | 33 | | | | | | |
| | 100999 | | | | | | | | |
| | 101000- | 2 | 100 | | | | | | |
| | 101399 | | | | | | | | |
| | 101400- | | | | | | | | |
| | 101799 | | | | | | | | |
| | 101800- | | | 1 | 100 | | | | |
| | 102199 | | | | | | | | |
| | 102200- | | | | | | | | |
| | 102599 | | | | | | | | |
| | 102800- | | | | | | | | |
| | 10299 | | | | | | | | |
| | 103000- | | | | | 1 | 50 | | |
| | 103399 | | | | | | | | |
| | 103400- | | | | | | | | |
| | 103799 | | | | | | | | |
| | 103800- | | | | | 1 | 100 | | |
| | 104199 | | | | | | | | |

TABLE III.- Continued.

Ely

| Pressure, mb | Pressure height, ft | Winter | | Spring | | Summer | | Fall | |
|--------------|---------------------|-----------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|
| | | Number of cases | cpd |
| 100 | 52000 - | 1 | 1 | | | | | | |
| | 52199 | | | | | | | | |
| | 52200 - | 1 | 2 | | | | | | |
| | 52399 | | | | | | | | |
| | 52400 - | 6 | 6 | 4 | 2 | | | | |
| | 52599 | | | | | | | | |
| | 52600 - | 26 | 22 | 10 | 8 | | | | |
| | 52799 | | | | | | | | |
| | 52800 - | 24 | 37 | 26 | 24 | | | | |
| | 52999 | | | | | | | | |
| | 53000 - | 36 | 60 | 38 | 46 | | | | |
| | 53199 | | | | | | | | |
| | 53200 - | 41 | 86 | 29 | 64 | | | | |
| | 53399 | | | | | | | | |
| | 53400 - | 10 | 92 | 24 | 79 | | | | |
| | 53599 | | | | | | | | |
| | 53600 - | 6 | 96 | 8 | 84 | 1 | 1 | 19 | 48 |
| | 53799 | | | | | | | | |
| | 53800 - | 3 | 98 | 10 | 90 | 4 | 3 | 22 | 61 |
| | 53999 | | | | | | | | |
| | 54000 - | 1 | 99 | 16 | 100 | 15 | 12 | 22 | 74 |
| | 54199 | | | | | | | | |
| | 54200 - | 1 | 100 | | | 39 | 30 | 27 | 90 |
| | 54399 | | | | | | | | |
| | 54400 - | | | | | 46 | 59 | 14 | 98 |
| | 54599 | | | | | | | | |
| | 54600 - | | | | | 57 | 94 | 4 | 100 |
| | 54799 | | | | | | | | |
| | 54800 - | | | | | 9 | 100 | | |
| | 54999 | | | | | | | | |
| 80 | 56800 - | 1 | 1 | | | | | | |
| | 56999 | | | | | | | | |
| | 57000 - | 8 | 6 | 2 | 1 | | | | |
| | 57199 | | | | | | | | |
| | 57200 - | 28 | 25 | 10 | 7 | | | | |
| | 57399 | | | | | | | | |
| | 57400 - | 30 | 46 | 27 | 24 | | | | |
| | 57599 | | | | | | | | |
| | 57600 - | 40 | 73 | 36 | 47 | | | | |
| | 57799 | | | | | | | | |
| | 57800 - | 24 | 90 | 29 | 66 | | | | |
| | 57999 | | | | | | | | |
| | 58000 - | 8 | 96 | 17 | 77 | | | | |
| | 58199 | | | | | | | | |
| | 58200 - | 3 | 98 | 15 | 87 | 1 | 1 | 22 | 55 |
| | 58399 | | | | | | | | |
| | 58400 - | 2 | 99 | 13 | 96 | 2 | 2 | 24 | 70 |
| | 58599 | | | | | | | | |
| | 58600 - | 1 | 100 | 6 | 100 | 16 | 12 | 17 | 80 |
| | 58799 | | | | | | | | |
| | 58800 - | | | | | 36 | 35 | 27 | 96 |
| | 58999 | | | | | | | | |
| | 59000 - | | | | | 68 | 79 | 6 | 100 |
| | 59199 | | | | | | | | |
| | 59200 - | | | | | 33 | 100 | | |
| | 59399 | | | | | | | | |
| | 59400 - | | | | | | | | |
| | 59599 | | | | | | | | |
| | 59600 - | | | | | | | | |
| 60 | 62800 - | 4 | 3 | 2 | 1 | | | | |
| | 62999 | | | | | | | | |
| | 63000 - | 15 | 13 | 1 | 2 | | | | |
| | 63199 | | | | | | | | |
| | 63200 - | 22 | 28 | 12 | 9 | | | | |
| | 63399 | | | | | | | | |
| | 63400 - | 54 | 65 | 31 | 28 | | | | |
| | 63599 | | | | | | | | |
| | 63600 - | 29 | 85 | 34 | 49 | | | | |
| | 63799 | | | | | | | | |
| | 63800 - | 11 | 93 | 37 | 72 | | | | |
| | 63999 | | | | | | | | |
| | 64000 - | 8 | 98 | 11 | 79 | 1 | 1 | 21 | 47 |
| | 64199 | | | | | | | | |
| | 64200 - | 3 | 100 | 23 | 93 | | | | |
| | 64399 | | | | | | | | |
| | 64400 - | | | 8 | 98 | 4 | 4 | 22 | 75 |
| | 64599 | | | | | | | | |
| | 64600 - | | | 4 | 100 | 16 | 15 | 22 | 89 |
| | 64799 | | | | | | | | |
| | 64800 - | | | | | 52 | 50 | 15 | 99 |
| | 64999 | | | | | | | | |
| | 65000 - | | | | | 61 | 91 | 1 | 100 |
| | 65199 | | | | | | | | |
| | 65200 - | | | | | 14 | 100 | | |
| | 65399 | | | | | | | | |

H-114

TABLE III.-Continued.
[Elev.]

| Pressure, mb | Pressure height, ft | Winter | | Spring | | Summer | | Fall | |
|--------------|---------------------|-----------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|
| | | Number of cases | cpd |
| 40 | 71000- | 2 | 2 | | | | | 2 | 1 |
| | 71199 | 4 | 6 | 1 | 1 | | | | |
| | 71399 | | | | | | | 2 | 2 |
| | 71400- | 7 | 13 | 7 | 7 | | | | |
| | 71599 | | | | | | | 4 | 5 |
| | 71600- | 24 | 36 | 14 | 20 | | | | |
| | 71799 | | | | | | | | |
| | 71800- | 33 | 67 | 15 | 34 | | | 18 | 18 |
| | 71999 | | | | | | | | |
| | 72000- | 16 | 81 | 19 | 51 | | | 7 | 23 |
| | 72199 | | | | | | | | |
| | 72200- | 10 | 91 | 9 | 59 | | | 7 | 28 |
| | 72399 | | | | | | | | |
| | 72400- | 5 | 96 | 18 | 76 | | | 20 | 42 |
| | 72599 | | | | | | | | |
| | 72600- | 3 | 99 | 12 | 87 | 1 | 1 | 18 | 55 |
| | 72799 | | | | | | | | |
| | 72800- | 1 | 100 | 8 | 94 | 3 | 3 | 25 | 73 |
| | 72999 | | | | | | | | |
| | 73000- | | | 6 | 100 | 5 | 7 | 10 | 80 |
| | 73199 | | | | | | | | |
| | 73200- | | | | | 23 | 24 | 23 | 96 |
| | 73399 | | | | | | | | |
| | 73400- | | | | | 53 | 64 | 5 | 100 |
| | 73599 | | | | | | | | |
| | 73600- | | | | | 45 | 98 | | |
| | 73799 | | | | | | | | |
| | 73800- | | | | | 2 | 100 | | |
| | 73999 | | | | | | | | |
| 30 | 77000- | 1 | 1 | | | | | 1 | 1 |
| | 77199 | | | | | | | | |
| | 77200- | 2 | 4 | | | | | 2 | 3 |
| | 77399 | | | | | | | | |
| | 77400- | 6 | 14 | 1 | 1 | | | 1 | 4 |
| | 77599 | | | | | | | | |
| | 77600- | 16 | 40 | 2 | 5 | | | 4 | 7 |
| | 77799 | | | | | | | | |
| | 77800- | 16 | 67 | 3 | 11 | | | 16 | 21 |
| | 77999 | | | | | | | | |
| | 78000- | 11 | 85 | 7 | 24 | | | 5 | 25 |
| | 78199 | | | | | | | | |
| | 78200- | 3 | 90 | 4 | 31 | | | 4 | 29 |
| | 78399 | | | | | | | | |
| | 78400- | 2 | 93 | 11 | 51 | | | 6 | 34 |
| | 78599 | | | | | | | | |
| | 78600- | 4 | 100 | 7 | 64 | 1 | 1 | 17 | 49 |
| | 78799 | | | | | | | | |
| | 78800- | | | 6 | 75 | | | 13 | 60 |
| | 78999 | | | | | | | | |
| | 79000- | | | 8 | 90 | 2 | 3 | 12 | 70 |
| | 79199 | | | | | | | | |
| | 79200- | | | 2 | 94 | 11 | 14 | 20 | 88 |
| | 79399 | | | | | | | | |
| | 79400- | | | 3 | 100 | 26 | 40 | 13 | 99 |
| | 79599 | | | | | | | | |
| | 79600- | | | | | 33 | 72 | 1 | 100 |
| | 79799 | | | | | | | | |
| | 79800- | | | | | 27 | 98 | | |
| | 79999 | | | | | | | | |
| | 80000- | | | | | 2 | 100 | | |
| | 80199 | | | | | | | | |
| 20 | 85600- | 1 | 3 | | | | | 1 | 4 |
| | 85799 | | | | | | | | |
| | 85800- | 3 | 13 | 2 | 18 | | | 2 | 12 |
| | 85999 | | | | | | | | |
| | 86000- | 8 | 38 | | | | | 7 | 40 |
| | 86199 | | | | | | | | |
| | 86200- | 9 | 66 | | | | | 6 | 64 |
| | 86399 | | | | | | | | |
| | 86400- | 8 | 91 | | | | | 4 | 80 |
| | 86599 | | | | | | | | |
| | 86600- | 2 | 97 | | | | | 2 | 88 |
| | 86799 | | | | | | | | |
| | 86800- | | | 2 | 36 | | | | |
| | 86999 | | | | | | | | |
| | 87000- | 1 | 100 | 2 | 55 | | | 1 | 92 |
| | 87199 | | | | | | | | |
| | 87200- | | | 2 | 73 | 1 | 2 | 2 | 100 |
| | 87399 | | | | | | | | |
| | 87400- | | | | | | | | |
| | 87599 | | | | | | | | |
| | 87600- | | | 2 | 91 | 1 | 4 | | |
| | 87799 | | | | | 2 | 8 | | |
| | 87800- | | | | | | | | |
| | 87999 | | | | | | | | |
| | 88000- | | | 1 | 100 | 6 | 18 | | |
| | 88199 | | | | | | | | |
| | 88200- | | | | | 11 | 37 | | |
| | 88399 | | | | | | | | |
| | 88400- | | | | | 6 | 47 | | |
| | 88599 | | | | | | | | |
| | 88600- | | | | | 14 | 71 | | |
| | 88799 | | | | | | | | |
| | 88800- | | | | | 10 | 88 | | |
| | 88999 | | | | | 6 | 98 | | |
| | 89000- | | | | | | | | |
| | 89199 | | | | | | | | |
| | 89200- | | | | | 1 | 100 | | |
| | 89399 | | | | | | | | |

TABLE III.-Continued.

[Ely]

| Pressure, mb | Pressure height, ft | Winter | | Spring | | Summer | | Fall | |
|--------------|---------------------|-----------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|
| | | Number of cases | cpd |
| 1.5 | 92400- | | | | | | | 1 | 25 |
| | 92599 | | | | | | | | |
| | 92600- | | | | | | | | |
| | 92799 | | | | | | | | |
| | 92800- | | | | | | | | |
| | 92999 | | | | | | | | |
| | 93000- | | | | | | | | |
| | 93199 | | | | | | | | |
| | 93200- | | | | | | | | |
| | 93399 | | | | | | | | |
| | 93400- | | | | | | | 1 | 50 |
| | 93599 | | | | | | | | |
| | 93600- | | | | | | | | |
| | 93799 | | | | | | | | |
| | 93800- | | | | | | | | |
| | 93999 | | | | | | | | |
| | 94000- | | | | | | | | |
| | 94199 | | | | | | | 1 | 7 |
| | 94200- | | | | | | | | |
| | 94399 | | | | | | | | |
| | 94400- | | | | | | | | |
| | 94599 | | | | | | | | |
| | 94600- | | | | | | | 1 | 75 |
| | 94799 | | | | | | | 2 | 28 |
| | 94800- | | | | | | | 3 | 50 |
| | 94999 | | | | | | | 6 | 93 |
| | 95000- | | | | | | | 1 | 100 |
| | 95199 | | | | | | | | |
| | 95200- | | | | | | | | |
| | 95399 | | | | | | | | |
| | 95400- | | | | | | | | |
| | 95599 | | | | | | | | |
| 10 | 103000- | | | | | | | 1 | 50 |
| | 103399 | | | | | | | | |
| | 103400- | | | | | | | | |
| | 103799 | | | | | | | | |
| | 103800- | | | | | | | | |
| | 104199 | | | | | | | 1 | 100 |
| | 104200- | | | | | | | | |
| | 104599 | | | | | | | | |

[Salt Lake City]

| | | | | | | | | | |
|-----|--------|----|-----|-----|----|----|-----|----|-----|
| 100 | 52000- | | | | | | | | |
| | 52199 | | | | | | | | |
| | 52200- | 6 | 4 | | | | | | |
| | 52399 | | | | | | | | |
| | 52400- | 18 | 16 | 7 | 4 | | | 1 | 1 |
| | 52599 | | | | | | | 5 | 4 |
| | 52600- | 20 | 29 | 14 | 12 | | | | |
| | 52799 | | | | | | | 7 | 8 |
| | 52800- | 25 | 45 | 33 | 31 | | | | |
| | 52999 | | | | | | | | |
| | 53000- | 40 | 71 | 25 | 46 | | | 16 | 18 |
| | 53199 | | | | | | | | |
| | 53200- | 31 | 91 | 29 | 63 | | | 24 | 32 |
| | 53399 | | | | | | | | |
| | 53400- | 8 | 96 | 23 | 76 | | | 23 | 46 |
| | 53599 | | | | | | | | |
| | 53600- | 5 | 99 | 12 | 83 | | | 17 | 56 |
| | 53799 | | | | | | | | |
| | 53800- | 2 | 100 | 10 | 89 | 3 | 2 | 17 | 66 |
| | 53999 | | | | | | | | |
| | 54000- | | 13 | 97 | 15 | 10 | 16 | 75 | |
| | 54199 | | | | | | | | |
| | 54200- | | 5 | 100 | 25 | 24 | 20 | 87 | |
| | 54399 | | | | | | | | |
| | 54400- | | | | | 38 | 46 | 15 | 96 |
| | 54599 | | | | | 53 | 77 | 7 | 100 |
| | 54600- | | | | | | | | |
| | 54799 | | | | | | | | |
| | 54800- | | | | | 38 | 99 | | |
| | 54999 | | | | | | | | |
| | 55000- | | | | | 1 | 100 | | |
| | 55199 | | | | | | | | |
| 80 | 56600- | 1 | 1 | | | | | | |
| | 56799 | | | | | | | | |
| | 56800- | 4 | 4 | | | | | | |
| | 56999 | | | | | | | | |
| | 57000- | 14 | 13 | 4 | 3 | | | 1 | 1 |
| | 57199 | | | | | | | 2 | 2 |
| | 57200- | 26 | 30 | 12 | 11 | | | | |
| | 57399 | | | | | | | | |
| | 57400- | 34 | 53 | 21 | 24 | | | 12 | 9 |
| | 57599 | | | | | | | | |
| | 57600- | 37 | 78 | 30 | 43 | | | 17 | 19 |
| | 57799 | | | | | | | | |
| | 57800- | 21 | 92 | 23 | 58 | | | 26 | 35 |
| | 57999 | | | | | | | | |
| | 58000- | 9 | 98 | 20 | 71 | | | 22 | 48 |
| | 58199 | | | | | | | | |
| | 58200- | 3 | 100 | 16 | 81 | | | 16 | 58 |
| | 58399 | | | | | | | | |
| | 58400- | | 18 | 92 | 2 | 1 | 18 | 69 | |
| | 58599 | | | | | | | | |
| | 58600- | | 12 | 100 | 19 | 12 | 14 | 78 | |
| | 58799 | | | | | | | | |
| | 58800- | | | | | 26 | 27 | 22 | 91 |
| | 58999 | | | | | | | | |
| | 59000- | | | | | 45 | 53 | 13 | 99 |
| | 59199 | | | | | 62 | 89 | 1 | 100 |
| | 59200- | | | | | | | | |
| | 59399 | | | | | | | | |
| | 59400- | | | | | 19 | 100 | | |
| | 59599 | | | | | | | | |

TABLE III.- Continued.

[Salt Lake City]

| Pressure, mb | Pressure height, ^a | Winter | | Spring | | Summer | | Fall | |
|--------------|-------------------------------|-----------------------|-----|-----------------------|-----|-----------------------|-----|-----------------------|-----|
| | | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd |
| 60 | 62600- | 4 | 3 | | | | | | |
| | 62799 | | | | | | | | |
| | 62800- | 7 | 8 | | | | | | |
| | 62999 | | | | | | | | |
| | 63000- | 21 | 24 | 5 | 3 | | | 1 | 1 |
| | 63199 | | | | | | | | |
| | 63200 | 29 | 46 | 12 | 11 | | | 6 | 5 |
| | 63399 | | | | | | | | |
| | 63400- | 30 | 69 | 24 | 27 | | | 22 | 18 |
| | 63599 | | | | | | | | |
| | 63600- | 29 | 91 | 25 | 43 | | | 16 | 28 |
| | 63799 | | | | | | | | |
| | 63800- | 6 | 96 | 22 | 58 | | | 28 | 45 |
| | 63999 | | | | | | | | |
| | 64000- | 3 | 98 | 19 | 71 | | | 24 | 59 |
| | 64199 | | | | | | | | |
| | 64200- | 2 | 100 | 16 | 82 | | | 13 | 67 |
| | 64399 | | | | | | | | |
| | 64400- | | | 17 | 93 | 1 | 1 | 10 | 73 |
| | 64599 | | | | | | | | |
| | 64600- | | | 10 | 100 | 21 | 14 | 21 | 86 |
| | 64799 | | | | | | | | |
| | 64800- | | | | | 30 | 33 | 17 | 96 |
| | 64999 | | | | | | | | |
| | 65000- | | | | | 44 | 60 | 7 | 100 |
| | 65199 | | | | | | | | |
| | 65200- | | | | | 52 | 92 | | |
| | 65399 | | | | | | | | |
| | 65400- | | | | | 12 | 99 | | |
| | 65599 | | | | | | | | |
| | 65600- | | | | | 1 | 100 | | |
| 40 | 70600- | 2 | 2 | | | | | | |
| | 70799 | | | | | | | | |
| | 70800- | 3 | 4 | | | | | | |
| | 70999 | | | | | | | | |
| | 71000- | 10 | 12 | | | | | | |
| | 71199 | | | | | | | | |
| | 71200- | 8 | 18 | | | | | | |
| | 71399 | | | | | | | | |
| | 71400- | 11 | 27 | 6 | 4 | | | 3 | 2 |
| | 71599 | | | | | | | | |
| | 71600- | 23 | 45 | 12 | 13 | | | 13 | 10 |
| | 71799 | | | | | | | | |
| | 71800- | 32 | 70 | 18 | 26 | | | 15 | 20 |
| | 71999 | | | | | | | | |
| | 72000- | 25 | 90 | 17 | 38 | | | 15 | 30 |
| | 72199 | | | | | | | | |
| | 72200- | 7 | 96 | 19 | 51 | | | 16 | 40 |
| | 72399 | | | | | | | | |
| | 72400- | 2 | 98 | 16 | 62 | | | 24 | 56 |
| | 72599 | | | | | | | | |
| | 72600- | 3 | 100 | 20 | 76 | | | 18 | 68 |
| | 72799 | | | | | | | | |
| | 72800- | | | 18 | 89 | | | 7 | 73 |
| | 72999 | | | | | | | | |
| | 73000- | | | 10 | 96 | 6 | 4 | 9 | 79 |
| | 73199 | | | | | | | | |
| | 73200- | | | 5 | 100 | 18 | 16 | 17 | 90 |
| | 73399 | | | | | | | | |
| | 73400- | | | | | 18 | 28 | 10 | 96 |
| | 73599 | | | | | | | | |
| | 73600- | | | | | 37 | 54 | 6 | 100 |
| | 73799 | | | | | | | | |
| | 73800- | | | | | 47 | 87 | | |
| | 73999 | | | | | | | | |
| | 74000- | | | | | 17 | 99 | | |
| | 74199 | | | | | | | | |
| | 74200- | | | | | 1 | 100 | | |
| | 74399 | | | | | | | | |
| 30 | 76600- | 2 | 2 | | | | | | |
| | 76799 | | | | | | | | |
| | 76800- | 8 | 9 | | | | | | |
| | 76999 | | | | | | | | |
| | 77000- | 5 | 14 | | | | | | |
| | 77199 | | | | | | | | |
| | 77200- | 4 | 18 | | | | | 1 | 1 |
| | 77399 | | | | | | | | |
| | 77400- | 13 | 30 | 7 | 6 | | | 5 | 5 |
| | 77599 | | | | | | | | |
| | 77600- | 19 | 48 | 10 | 15 | | | 10 | 12 |
| | 77799 | | | | | | | | |
| | 77800- | 20 | 67 | 9 | 23 | | | 11 | 20 |
| | 77999 | | | | | | | | |
| | 78000- | 24 | 89 | 11 | 33 | | | 7 | 25 |
| | 78199 | | | | | | | | |
| | 78200- | 8 | 96 | 12 | 44 | | | 20 | 40 |
| | 78399 | | | | | | | | |
| | 78400- | 1 | 97 | 10 | 55 | | | 21 | 55 |
| | 78599 | | | | | | | | |
| | 78600- | 2 | 99 | 14 | 68 | | | 9 | 62 |
| | 78799 | | | | | | | | |
| | 78800- | 1 | 100 | 17 | 84 | | | 6 | 66 |
| | 78999 | | | | | | | | |
| | 79000- | | | 7 | 90 | 3 | 2 | 9 | 73 |
| | 79199 | | | | | | | | |
| | 79200- | | | 9 | 98 | 8 | 8 | 10 | 80 |
| | 79399 | | | | | | | | |
| | 79400- | | | 2 | 100 | 11 | 16 | 13 | 89 |
| | 79599 | | | | | | | | |
| | 79600- | | | | | 17 | 29 | 9 | 96 |
| | 79799 | | | | | | | | |
| | 79800- | | | | | 30 | 52 | 6 | 100 |
| | 79999 | | | | | | | | |
| | 80000- | | | | | 39 | 82 | | |
| | 80199 | | | | | | | | |
| | 80200- | | | | | 19 | 97 | | |
| | 80399 | | | | | | | | |
| | 80400- | | | | | 4 | 100 | | |
| | 80599 | | | | | | | | |

TABLE III.- Continued.
[Salt Lake City]

TABLE III.- Concluded.

[Salt Lake City]

| Pressure, mb | Pressure height, ft | Winter | | Spring | | Summer | | Fall | |
|--------------|---------------------|-----------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|
| | | Number of cases | cpd |
| 10 | 99800 - | | | | | | | | |
| | 100199 | | | | | | | | |
| | 100200 - | | | | | | | | |
| | 100599 | | | | | | | | |
| | 100600 - | | | | | | | | |
| | 100999 | | | | | | | | |
| | 101000 - | | | 3 | 30 | | | 1 | 12 |
| | 101399 | | | | | | | | |
| | 101400 - | | | 4 | 70 | | | | |
| | 101799 | | | | | | | | |
| | 101800 - | | | 2 | 90 | | | | |
| | 102199 | | | | | | | | |
| | 102200 - | | | | | | | 2 | 38 |
| | 102599 | | | | | | | | |
| | 102600 - | | | 1 | 100 | | | | |
| | 102999 | | | | | | | | |
| | 103000 - | | | | | 2 | 18 | 1 | 50 |
| | 103399 | | | | | | | | |
| | 103400 - | | | | | 2 | 36 | 3 | 88 |
| | 103799 | | | | | | | | |
| | 103800 - | | | | | 3 | 64 | 1 | 100 |
| | 104199 | | | | | | | | |
| | 104200 - | | | | | 1 | 73 | | |
| | 104599 | | | | | | | | |
| | 104600 - | | | | | 3 | 100 | | |
| | 104999 | | | | | | | | |
| 7 | 109000 - | | | 1 | 50 | | | | |
| | 109399 | | | | | | | | |
| | 109400 - | | | 1 | 100 | | | | |
| | 109799 | | | | | | | | |
| | 109800 - | | | | | | | 1 | 100 |
| | 110199 | | | | | | | | |

TABLE IV.- SUMMARY OF WIND SPEEDS

[Edwards]

| Height, ft | Wind speed, knots | Winter | | Spring | | Summer | | Fall | |
|------------|----------------------|-----------------------|-----|-----------------------|-----|-----------------------|-----|-----------------------|-----|
| | | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd |
| 50000 | 0 | 2 | 3 | 3 | 2 | 2 | 2 | 6 | 7 |
| | 5 | 1 | 4 | 1 | 3 | 3 | 5 | 9 | 16 |
| | 10 | | | 2 | 4 | 6 | 10 | 7 | 24 |
| | 15 | 3 | 8 | 11 | 12 | 8 | 17 | 7 | 30 |
| | 20 | 4 | 13 | 11 | 20 | 14 | 30 | 5 | 37 |
| | 25 | 6 | 21 | 18 | 32 | 22 | 50 | 7 | 48 |
| | 30 | 5 | 27 | 14 | 42 | 7 | 57 | 10 | 60 |
| | 35 | 3 | 31 | 10 | 49 | 17 | 72 | 11 | 69 |
| | 40 | 10 | 44 | 14 | 59 | 9 | 81 | 8 | 80 |
| | 45 | 9 | 56 | 8 | 65 | 6 | 86 | 10 | 91 |
| | 50 | 11 | 70 | 14 | 75 | 6 | 92 | 10 | 95 |
| | 55 | 3 | 74 | 5 | 78 | 4 | 95 | 3 | 99 |
| | 60 | 7 | 83 | 7 | 83 | 3 | 98 | 2 | 97 |
| | 65 | 3 | 87 | 5 | 87 | 1 | 99 | 1 | 98 |
| | 70 | 3 | 90 | 9 | 93 | | | | 99 |
| | 75 | 1 | 92 | 1 | 94 | | | | |
| | 80 | 3 | 96 | 3 | 96 | | | | |
| | 85 | 1 | 97 | 2 | 97 | 1 | 100 | 1 | 100 |
| | 90 | | | | | | | | |
| | 95 | | | | | | | | |
| 100 | 1 | 99 | 1 | 99 | | | | | |
| 105 | | | | | | | | | |
| 110 | 1 | 100 | | | | | | | |
| 115 | | | 1 | 100 | | | | | |
| 60000 | 0 | 1 | 1 | 3 | 2 | 2 | 1 | 25 | 28 |
| | 5 | 3 | 6 | 24 | 20 | 41 | 27 | 26 | 57 |
| | 10 | 10 | 19 | 20 | 35 | 51 | 58 | 13 | 72 |
| | 15 | 19 | 46 | 21 | 50 | 44 | 85 | 10 | 83 |
| | 20 | 10 | 60 | 18 | 63 | 17 | 96 | 6 | 90 |
| | 25 | 7 | 69 | 16 | 75 | 4 | 98 | 4 | 94 |
| | 30 | 11 | 85 | 11 | 83 | 3 | 100 | 2 | 97 |
| | 35 | 4 | 90 | 7 | 88 | | | 1 | 100 |
| | 40 | 3 | 94 | 8 | 94 | | | | |
| | 45 | | | 1 | 95 | | | | |
| | 50 | 2 | 97 | 3 | 97 | | | | |
| | 55 | | | 1 | 98 | | | | |
| | 60 | 2 | 100 | | | | | | |
| | 65 | | | | | | | | |
| | 70 | | | 2 | 99 | | | | |
| | 75 | | | | | | | | |
| | 80 | | | | | | | | |
| | 85 | | | 1 | 100 | | | | |
| 70000 | 0 | 2 | 3 | 1 | 1 | 4 | 1 | 32 | 39 |
| | 5 | 18 | 28 | 30 | 22 | 6 | 21 | 27 | 71 |
| | 10 | 20 | 56 | 57 | 22 | 38 | 49 | 17 | 91 |
| | 15 | 12 | 72 | 23 | 60 | 36 | 75 | 3 | 94 |
| | 20 | 8 | 83 | 10 | 87 | 26 | 95 | 2 | 96 |
| | 25 | 7 | 93 | 7 | 92 | 6 | 99 | 2 | 99 |
| | 30 | 1 | 94 | 5 | 96 | 1 | 100 | 1 | 100 |
| | 35 | 2 | 97 | 2 | 97 | | | | |
| | 40 | 2 | 100 | 2 | 99 | | | | |
| | 45 | | | 2 | 100 | | | | |
| 80000 | 0 | 1 | 2 | 2 | 2 | 1 | 1 | 14 | 22 |
| | 5 | 6 | 12 | 23 | 20 | 5 | 4 | 17 | 48 |
| | 10 | 14 | 36 | 47 | 57 | 11 | 12 | 12 | 66 |
| | 15 | 11 | 55 | 22 | 74 | 12 | 20 | 6 | 75 |
| | 20 | 8 | 69 | 19 | 89 | 32 | 43 | 9 | 89 |
| | 25 | 11 | 86 | 6 | 94 | 47 | 75 | | |
| | 30 | 4 | 95 | 3 | 96 | 18 | 88 | 3 | 94 |
| | 35 | 2 | 98 | 2 | 98 | 14 | 98 | 1 | 95 |
| | 40 | | | 2 | 99 | 2 | 99 | 1 | 98 |
| | 45 | | | 1 | 100 | 1 | 100 | 1 | 100 |
| | 50 | | | | | | | | |
| | 55 | | | | | | | | |
| | 60 | | | | | | | | |
| | 65 | | | | | | | | |
| | 70 | | | | | | | | |
| | 75 | | | | | | | | |
| | 80 | | | | | | | | |
| | 85 | 1 | 100 | | | | | | |
| 90000 | 0 | 2 | 4 | 17 | 16 | 1 | 1 | 10 | 19 |
| | 5 | 9 | 24 | 30 | 45 | 7 | 8 | 11 | 40 |
| | 10 | 6 | 38 | 18 | 62 | 10 | 16 | 9 | 58 |
| | 15 | 3 | 44 | 11 | 73 | 13 | 27 | 5 | 67 |
| | 20 | 8 | 62 | 19 | 82 | 28 | 49 | 3 | 73 |
| | 25 | 10 | 84 | 55 | 86 | 27 | 71 | 2 | 77 |
| | 30 | 4 | 93 | 91 | 19 | 86 | 3 | 83 | |
| | 35 | 2 | 98 | 3 | 94 | 13 | 97 | 2 | 97 |
| | 40 | | | 2 | 96 | 1 | 98 | 3 | 92 |
| | 45 | | | 2 | 98 | 2 | 99 | 1 | 94 |
| | 50 | | | 1 | 100 | | | | |
| | 55 | | | 1 | 99 | | | | |
| | 60 | | | 1 | 100 | | | 2 | 98 |
| | 65 | | | | | | | 1 | 100 |
| | 70 | | | | | | | | |
| | 75 | | | | | | | | |
| | 80 | | | | | | | | |
| | 85 | | | | | | | | |
| | 90 | | | | | 1 | 100 | | |

TABLE IV.- Continued.

[Edwards]

| Height, ft | Wind speed, knots | Winter | | Spring | | Summer | | Fall | |
|------------|----------------------|-----------------------|-------|-----------------------|-------|-----------------------|-------|-----------------------|-------|
| | | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd |
| 100000 | 0 | | | 1 | 1 | | | | |
| | 5 | 1 | 4 | 8 | 1 3 | | | 5 | 1 8 |
| | 10 | 1 | 7 | 1 3 | 3 2 | 4 | 4 | 8 | 4 6 |
| | 15 | 2 | 1 5 | 1 3 | 5 1 | 5 | 9 | 4 | 6 1 |
| | 20 | 1 | 1 9 | 1 0 | 6 6 | 6 | 1 5 | | |
| | 25 | 6 | 4 1 | 5 | 7 4 | 1 2 | 2 8 | 1 | 6 4 |
| | 30 | 6 | 6 3 | 5 | 8 1 | 1 9 | 4 7 | 2 | 7 1 |
| | 35 | 2 | 7 0 | 3 | 8 5 | 2 2 | 7 0 | 2 | 7 9 |
| | 40 | 3 | 8 2 | 4 | 9 1 | 2 1 | 9 2 | | |
| | 45 | 1 | 8 5 | | | 4 | 9 6 | 2 | 8 6 |
| | 50 | | | 2 | 9 4 | 2 | 9 8 | 1 | 8 9 |
| | 55 | 3 | 9 6 | | | | | | |
| | 60 | 1 | 1 0 0 | 1 | 9 6 | | | | |
| | 65 | | | | | 1 | 9 9 | 1 | 9 3 |
| | 70 | | | | | | | 1 | 9 6 |
| | 75 | | | 1 | 9 7 | | | 1 | 1 0 0 |
| | 80 | | | 1 | 9 9 | | | | |
| | 85 | | | | | 1 | 1 0 0 | | |
| | 90 | | | | | | | | |
| | 95 | | | | | | | | |
| | | | | 1 | 1 0 0 | | | | |
| 110000 | 0 | | | 2 | 5 | | | | |
| | 5 | | | 5 | 1 7 | 2 | 4 | 1 | 5 0 |
| | 10 | 1 | 1 4 | 4 | 2 8 | 4 | 1 2 | | |
| | 15 | 2 | 4 3 | 4 | 5 0 | 1 | 1 4 | | |
| | 20 | | | 9 | | | | | |
| | 25 | | | 4 | 6 0 | 8 | 3 0 | | |
| | 30 | | | 4 | 7 0 | 9 | 4 8 | | |
| | 35 | 2 | 7 1 | 1 | 7 3 | 8 | 6 4 | | |
| | 40 | | | 4 | 8 3 | 8 | 8 0 | | |
| | 45 | | | 2 | 8 8 | 4 | 8 8 | | |
| | 50 | | | | | 5 | 9 8 | | |
| | 55 | | | | | | | 1 | 1 0 0 |
| | 60 | 1 | 8 6 | | | | | | |
| | 65 | | | 2 | 9 3 | | | | |
| | 70 | | | 1 | 9 5 | 1 | 1 0 0 | | |
| | 75 | 1 | 1 0 0 | 1 | 9 0 | | | | |
| | 80 | | | | 2 | 1 0 0 | | | |
| | 85 | | | | | | | | |
| 120000 | 0 | | | 1 | 8 | | | | |
| | 5 | | | 1 | 1 5 | | | | |
| | 10 | | | 3 | 3 8 | | | | |
| | 15 | | | 2 | 5 4 | 1 | 5 | | |
| | 20 | | | 2 | 6 9 | | | | |
| | 25 | | | | | 2 | 1 6 | | |
| | 30 | | | | | 4 | 3 7 | | |
| | 35 | | | | | 3 | 5 3 | | |
| | 40 | 1 | 5 0 | 1 | 7 7 | 1 | 5 8 | | |
| | 45 | | | 1 | 8 5 | 1 | 6 3 | | |
| | 50 | | | | | 1 | 6 3 | | |
| | 55 | | | 1 | 9 2 | 2 | 7 4 | | |
| | 60 | | | | | 3 | 9 0 | | |
| | 65 | | | | | 1 | 9 5 | | |
| | 70 | | | | 1 | 1 0 0 | 1 | 1 0 0 | |
| | 75 | | | | | | | | |
| | 80 | | | | | | | | |
| | 85 | 1 | 1 0 0 | | | | | | |
| | 90 | | | | | | | | |
| | 95 | | | | | | | | |
| | 100 | | | | | | | | |
| 130000 | 0 | | | | | | | | |
| | 5 | | | | | | | | |
| | 10 | | | | | | | | |
| | 15 | | | | | 1 | 5 0 | | |
| | 20 | | | | | | | | |
| | 25 | | | | | | | | |
| | 30 | | | | | | | | |
| | 35 | | | | | | 1 | 5 0 | |
| | 40 | | | | | | 1 | 1 0 0 | |
| | 45 | | | | | | | | |
| | 50 | | | | | | | | |
| | 55 | | | | | | | | |
| | 60 | | | | | | | | |
| | 65 | | | | | | | | |
| | 70 | | | | | | | | |
| | 75 | | | | | | | | |
| | 80 | | | | | | | | |
| | 85 | | | | | | | | |
| | 90 | | | | | | | | |
| | 95 | | | | | | | | |
| | 100 | | | | | | | | |
| | 105 | | | | | 1 | 1 0 0 | | |

TABLE IV.- Continued.
[Las Vegas]

| Pressure, mb | Wind speed, knots | Winter | | Spring | | Summer | | Fall | |
|--------------|----------------------|-----------------------|-----|-----------------------|-----|-----------------------|-----|-----------------------|-----|
| | | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd |
| 100 | 0 | 1 | | 1 | | 2 | | 1 | |
| | 5 | 4 | 3 | 5 | 4 | 24 | 17 | 3 | 3 |
| 10 | 9 | 10 | 15 | 19 | 16 | 48 | 48 | 22 | 17 |
| 15 | 10 | 15 | 20 | 20 | 29 | 32 | 68 | 26 | 34 |
| 20 | 11 | 23 | 9 | 35 | 15 | 78 | 13 | 42 | 63 |
| 25 | 20 | 36 | 19 | 47 | 17 | 89 | 32 | 74 | 98 |
| 30 | 13 | 45 | 18 | 59 | 10 | 95 | 17 | 8 | 94 |
| 35 | 16 | 55 | 15 | 69 | 3 | 97 | 23 | 4 | 97 |
| 40 | 20 | 69 | 18 | 81 | 2 | 99 | 1 | 1 | 94 |
| 45 | 9 | 75 | 8 | 86 | 2 | 100 | | | 97 |
| 50 | 21 | 89 | 15 | 95 | | | | | 98 |
| 55 | 9 | 95 | 4 | 98 | | | | 2 | 99 |
| 60 | 3 | 97 | | | | | | 1 | 100 |
| 65 | 1 | 97 | | 1 | 99 | | | | |
| 70 | 3 | 99 | | | | | | | |
| 75 | 1 | 100 | | 1 | 99 | | | | |
| 80 | | | | | | | | | |
| 85 | | | | | | | | | |
| 90 | | | | | | | | | |
| 95 | | | | 1 | 100 | | | | |
| 80 | 0 | 7 | 5 | 8 | 6 | 6 | 5 | 3 | 3 |
| | 5 | 11 | 8 | 12 | 13 | 32 | 28 | 22 | 18 |
| 100 | 4 | 11 | 25 | 29 | 67 | 75 | 42 | 42 | 45 |
| 150 | 21 | 26 | 30 | 49 | 24 | 92 | 26 | 18 | 62 |
| 200 | 17 | 38 | 18 | 61 | 8 | 97 | 18 | 74 | 98 |
| 250 | 19 | 51 | 20 | 75 | 4 | 100 | 21 | 8 | 93 |
| 300 | 16 | 63 | 10 | 81 | | | 8 | 6 | 97 |
| 350 | 26 | 81 | 17 | 93 | | | 2 | 6 | 98 |
| 400 | 9 | 88 | 5 | 96 | | | | | |
| 450 | 3 | 90 | 4 | 99 | | | | | |
| 500 | 7 | 95 | 2 | 100 | | | 3 | 100 | |
| 550 | 6 | 99 | | | | | | | |
| 600 | 1 | 100 | | | | | | | |
| 60 | 0 | 4 | 3 | 8 | 6 | | 7 | 5 | 5 |
| | 5 | 8 | 9 | 31 | 29 | 26 | 18 | 31 | 28 |
| 100 | 29 | 32 | 49 | 65 | 48 | 50 | 49 | 30 | 65 |
| 150 | 39 | 62 | 23 | 82 | 53 | 86 | 30 | 9 | 68 |
| 200 | 15 | 73 | 15 | 93 | 16 | 97 | 9 | 94 | 97 |
| 250 | 18 | 87 | 6 | 98 | 5 | 100 | 4 | 2 | 99 |
| 300 | 2 | 88 | | | | | 2 | 100 | |
| 350 | 6 | 93 | 1 | 99 | | | | | |
| 400 | 1 | 94 | | | | | | | |
| 450 | 3 | 96 | 2 | 100 | | | | | |
| 500 | 4 | 99 | | | | | | | |
| 550 | 1 | 100 | | | | | | | |
| 40 | 0 | 1 | 1 | 8 | 7 | 1 | 1 | 8 | 6 |
| | 5 | 13 | 12 | 27 | 30 | 3 | 4 | 25 | 25 |
| 100 | 37 | 44 | 52 | 74 | 14 | 16 | 54 | 54 | 66 |
| 150 | 33 | 72 | 22 | 93 | 34 | 47 | 26 | 9 | 86 |
| 200 | 11 | 81 | 4 | 97 | 31 | 75 | 9 | 92 | 98 |
| 250 | 8 | 88 | 4 | 100 | 24 | 97 | 8 | 98 | 99 |
| 300 | 3 | 91 | | | 3 | 100 | 1 | 99 | |
| 350 | 3 | 93 | | | | | | | |
| 400 | 4 | 97 | | | | | | | |
| 450 | 3 | 99 | | | | | 1 | 100 | |
| 500 | 1 | 100 | | | | | | | |
| 30 | 0 | 1 | 1 | 2 | 3 | | | 4 | 4 |
| | 5 | 7 | 10 | 19 | 32 | 2 | 3 | 21 | 25 |
| 100 | 24 | 41 | 22 | 65 | 6 | 11 | 31 | 31 | 55 |
| 150 | 17 | 63 | 18 | 92 | 15 | 31 | 25 | 7 | 79 |
| 200 | 16 | 83 | 2 | 95 | 19 | 57 | 7 | 86 | 90 |
| 250 | 8 | 94 | 3 | 100 | 21 | 85 | 4 | 95 | 96 |
| 300 | 1 | 95 | | | 2 | 100 | 1 | 2 | 98 |
| 350 | 1 | 96 | | | | | | | |
| 400 | 2 | 99 | | | | | | | |
| 450 | 2 | 99 | | | | | | | |
| 500 | 2 | 100 | | | | | | | |
| 20 | 0 | 1 | 2 | 6 | 29 | 1 | 2 | 1 | 6 |
| | 5 | 2 | 5 | 6 | 57 | 6 | 22 | 2 | 17 |
| 100 | 7 | 18 | 6 | 57 | | | 8 | 61 | |
| 150 | 11 | 38 | 1 | 62 | 5 | 34 | 5 | 89 | |
| 200 | 12 | 60 | 4 | 81 | 4 | 44 | 1 | 94 | |
| 250 | 8 | 75 | 3 | 95 | 16 | 83 | | | |
| 300 | 2 | 78 | | | 3 | 90 | | | |
| 350 | 7 | 91 | | | 3 | 98 | 1 | 100 | |
| 400 | 1 | 93 | | | 1 | 100 | | | |
| 450 | 2 | 96 | | 1 | 100 | | | | |
| 500 | 2 | 99 | | | | | | | |
| 550 | 2 | 100 | | | | | | | |

TABLE IV.- Continued.

[Las Vegas]

| Pressure, mb | Wind speed, knots | Winter | | Spring | | Summer | | Fall | |
|--------------|----------------------|-----------------------|-----|-----------------------|-----|-----------------------|-----|-----------------------|-----|
| | | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd |
| 15 | 0 | | | | | | | | |
| | 5 | 1 | 4 | | | 1 | 10 | | |
| | 10 | 2 | 13 | 2 | 29 | 1 | 20 | | |
| | 15 | 6 | 39 | | | 2 | 40 | | |
| | 20 | 2 | 48 | | | 1 | 60 | | |
| | 25 | 5 | 70 | 2 | 57 | 2 | 70 | | |
| | 30 | 2 | 78 | 1 | 71 | 1 | 80 | | |
| | 35 | 2 | 87 | | | 2 | 100 | | |
| | 40 | 1 | 91 | 1 | 86 | | | | |
| | 45 | 2 | 100 | | | | | | |
| | 50 | | | 1 | 100 | | | | |
| | 55 | | | | | | | | |
| 100 | 0 | | | | | | | | |
| | 5 | 1 | 4 | 6 | 9 | 9 | 13 | 2 | 3 |
| | 10 | 1 | 8 | 16 | 34 | 27 | 54 | 9 | 17 |
| | 15 | 2 | 16 | 10 | 49 | 15 | 76 | 13 | 37 |
| | 20 | 3 | 28 | 12 | 68 | 8 | 88 | 16 | 62 |
| | 25 | 6 | 52 | 9 | 82 | 3 | 93 | 7 | 72 |
| | 30 | 5 | 72 | 4 | 88 | 1 | 94 | 6 | 82 |
| | 35 | 3 | 84 | 5 | 95 | 1 | 96 | 8 | 94 |
| | 40 | 3 | 96 | 2 | 98 | 1 | 97 | 2 | 97 |
| | 45 | 1 | 100 | 1 | 100 | | | 1 | 98 |
| | 50 | | | | | | | | |
| | 55 | | | | | 1 | 99 | | |
| | 60 | | | | | 1 | 100 | 1 | 100 |
| | 65 | | | | | | | | |
| 80 | 0 | | | | | | | | |
| | 5 | 1 | 4 | 15 | 24 | 1 | 2 | 8 | 13 |
| | 10 | 4 | 25 | 21 | 31 | 14 | 24 | 17 | 42 |
| | 15 | 1 | 39 | 13 | 78 | 11 | 89 | 16 | 68 |
| | 20 | 3 | 42 | 6 | 87 | 4 | 95 | 9 | 83 |
| | 25 | 4 | 58 | 3 | 92 | 1 | 97 | 6 | 93 |
| | 30 | 5 | 79 | 2 | 95 | 1 | 98 | 2 | 97 |
| | 35 | 3 | 92 | 1 | 97 | | | 1 | 98 |
| | 40 | 2 | 100 | 1 | 98 | | | 1 | 100 |
| | 50 | | | 1 | 100 | | | | |
| 60 | 0 | | | | | | | | |
| | 5 | 4 | 14 | 16 | 28 | 11 | 22 | 1 | 2 |
| | 10 | 5 | 31 | 30 | 78 | 22 | 60 | 17 | 50 |
| | 15 | 3 | 41 | 6 | 88 | 16 | 88 | 17 | 81 |
| | 20 | 4 | 55 | 4 | 95 | 3 | 93 | 8 | 96 |
| | 25 | 6 | 77 | 2 | 98 | 1 | 95 | 1 | 98 |
| | 30 | 3 | 86 | | | 2 | 98 | 1 | 100 |
| | 35 | 2 | 93 | | | | | | |
| | 40 | 2 | 100 | 1 | 100 | 1 | 100 | | |
| 40 | 0 | | | | | | | | |
| | 5 | 1 | 6 | 9 | 26 | | | 16 | 31 |
| | 10 | 4 | 31 | 13 | 65 | 16 | 32 | 23 | 75 |
| | 15 | 1 | 37 | 7 | 85 | 13 | 58 | 4 | 83 |
| | 20 | 2 | 50 | 4 | 97 | 14 | 86 | 8 | 98 |
| | 25 | 4 | 75 | 1 | 100 | 4 | 94 | 1 | 100 |
| | 30 | 2 | 88 | | | 2 | 98 | | |
| | 35 | 1 | 94 | | | 1 | 100 | | |
| | 40 | 1 | 100 | | | | | | |
| 30 | 0 | | | | | | | | |
| | 5 | | | 5 | 28 | 1 | 3 | 3 | 7 |
| | 10 | | | 6 | 60 | 7 | 22 | 19 | 71 |
| | 15 | | | 6 | 95 | 6 | 38 | 6 | 85 |
| | 20 | | | 1 | 100 | 12 | 70 | 2 | 90 |
| | 25 | | | | | 10 | 97 | 2 | 95 |
| | 30 | | | | | 1 | 100 | 2 | 100 |
| | 35 | 2 | 67 | | | | | | |
| 20 | 0 | | | | | | | | |
| | 5 | | | | | | | 1 | 17 |
| | 10 | 1 | 33 | 1 | 100 | 2 | 14 | 3 | 67 |
| | 15 | 2 | 100 | | | 1 | 21 | 1 | 83 |
| | 20 | | | | | 4 | 50 | | |
| | 25 | | | | | 3 | 71 | 1 | 100 |
| | 30 | | | | | 3 | 93 | | |
| | 35 | | | | | 1 | 100 | | |
| 15 | 0 | | | | | | | | |
| | 5 | | | | | | | | |
| | 10 | | | | | | | 2 | 100 |
| | 15 | | | | | | | | |
| | 20 | | | | | 3 | 100 | | |

TABLE IV.- Continued.
[Salt Lake City]

| Pressure, mb | Wind speed, knots | Winter | | Spring | | Summer | | Fall | |
|--------------|----------------------|-----------------------|-----|-----------------------|-----|-----------------------|-----|-----------------------|-----|
| | | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd |
| 100 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 5 | | | 6 | 4 | 13 | 8 | 20 | 2 |
| | 10 | 9 | 7 | 24 | 19 | 55 | 39 | 16 | 12 |
| | 15 | 12 | 16 | 38 | 43 | 46 | 65 | 32 | 33 |
| | 20 | 10 | 24 | 16 | 52 | 25 | 79 | 14 | 43 |
| | 25 | 13 | 33 | 21 | 66 | 22 | 92 | 29 | 61 |
| | 30 | 9 | 40 | 15 | 75 | 6 | 95 | 20 | 74 |
| | 35 | 27 | 60 | 16 | 85 | 5 | 98 | 16 | 85 |
| | 40 | 12 | 69 | 10 | 91 | 2 | 99 | 7 | 90 |
| | 45 | 14 | 79 | 7 | 95 | 1 | 99 | 5 | 93 |
| | 50 | 12 | 88 | 5 | 98 | 1 | 100 | 4 | 95 |
| | 55 | 5 | 92 | 1 | 99 | | | 2 | 97 |
| | 60 | 7 | 97 | 1 | 99 | | | 3 | 99 |
| | 65 | 2 | 99 | 1 | 100 | | | 2 | 100 |
| | 70 | | | | | | | | |
| | 75 | | | | | | | | |
| | 80 | | 1 | 99 | | | | | |
| | 85 | | | | | | | | |
| | 90 | | | | | | | | |
| | 95 | | | | | | | | |
| 100 | | | | | | | | | |
| 105 | | | | | | | | | |
| 110 | | | | | | | | | |
| 115 | | 1 | 100 | | | | | | |
| 80 | 0 | 1 | 1 | 13 | 8 | 7 | 4 | 2 | 1 |
| | 5 | 17 | 14 | 38 | 32 | 42 | 39 | 14 | 10 |
| | 10 | 20 | 19 | 34 | 34 | 70 | 70 | 31 | 31 |
| | 15 | 16 | 41 | 12 | 62 | 45 | 97 | 31 | 51 |
| | 20 | 17 | 54 | 27 | 62 | 22 | 98 | 25 | 67 |
| | 25 | 12 | 63 | 11 | 66 | 3 | 100 | 27 | 84 |
| | 30 | 18 | 72 | 11 | 93 | | | 8 | 90 |
| | 35 | 46 | 82 | 15 | 96 | | | 9 | 95 |
| | 40 | 49 | 89 | 2 | 97 | | | 4 | 98 |
| | 45 | 55 | 92 | | | | | 1 | 99 |
| | 50 | 51 | 93 | 1 | 98 | | | 2 | 100 |
| | 55 | 5 | 97 | 1 | 99 | | | | |
| | 60 | 5 | 98 | | | | | | |
| | 65 | | | | | | | | |
| | 70 | 1 | 98 | 1 | 99 | | | | |
| | 75 | 1 | 99 | | | | | | |
| | 80 | 1 | 99 | | | 1 | 100 | | |
| | 85 | | | | | | | | |
| | 90 | | | | | | | | |
| | 95 | 1 | 100 | | | | | | |
| 60 | 0 | 12 | 10 | 3 | 2 | 3 | 2 | 4 | 3 |
| | 5 | 22 | 28 | 36 | 25 | 31 | 20 | 20 | 16 |
| | 10 | 26 | 50 | 62 | 65 | 86 | 72 | 52 | 51 |
| | 15 | 13 | 61 | 26 | 81 | 39 | 96 | 38 | 77 |
| | 20 | 15 | 73 | 12 | 89 | 7 | 100 | 13 | 85 |
| | 25 | 8 | 80 | 9 | 95 | | | 13 | 94 |
| | 30 | 4 | 83 | 2 | 96 | | | 5 | 97 |
| | 35 | 10 | 92 | 1 | 97 | | | 3 | 99 |
| | 40 | 4 | 95 | | 98 | | | 1 | 100 |
| | 45 | 1 | 96 | 1 | 99 | | | | |
| | 50 | 2 | 98 | | | | | | |
| | 55 | 1 | 98 | | | | | | |
| | 60 | | | | | | | | |
| | 65 | | | | | | | | |
| | 70 | | | | 2 | 100 | | | |
| | 75 | | | | | | | | |
| | 80 | | | | | | | | |
| | 85 | 1 | 99 | | | | | | |
| | 90 | 1 | 100 | | | | | | |
| 40 | 0 | 12 | 11 | 7 | 5 | 11 | 7 | 3 | 2 |
| | 5 | 33 | 42 | 36 | 33 | 40 | 32 | 57 | 62 |
| | 10 | 16 | 57 | 21 | 90 | 60 | 69 | 27 | 81 |
| | 15 | 11 | 67 | 6 | 95 | 41 | 95 | 9 | 87 |
| | 20 | 8 | 75 | 2 | 96 | 8 | 100 | 12 | 96 |
| | 25 | 8 | 82 | 2 | 98 | | | 1 | 97 |
| | 30 | 7 | 89 | 1 | 99 | | | 5 | 100 |
| | 35 | 2 | 94 | 1 | 99 | | | | |
| | 40 | 3 | 93 | | | | | | |
| | 45 | 2 | 95 | 1 | 100 | | | | |
| | 50 | 2 | 97 | | | | | | |
| | 55 | 1 | 98 | | | | | | |
| | 60 | 1 | 99 | | | | | | |
| | 65 | | | | | | | | |
| | 70 | | | | | | | | |
| | 75 | | | | | | | | |
| | 80 | | | | | | | | |
| | 85 | 1 | 100 | | | | | | |
| 30 | 0 | 1 | 1 | 6 | 6 | 3 | 2 | 5 | 4 |
| | 5 | 8 | 11 | 16 | 24 | 3 | 2 | 24 | 24 |
| | 10 | 21 | 35 | 36 | 62 | 19 | 17 | 40 | 57 |
| | 15 | 11 | 48 | 23 | 87 | 46 | 51 | 27 | 79 |
| | 20 | 12 | 62 | 5 | 92 | 41 | 82 | 11 | 88 |
| | 25 | 14 | 79 | 5 | 96 | 22 | 99 | 7 | 98 |
| | 30 | 3 | 82 | 1 | 99 | 2 | 100 | 5 | 100 |
| | 35 | 5 | 88 | 1 | 100 | | | 3 | |
| | 40 | 2 | 93 | | | | | | |
| | 45 | 2 | 96 | | | | | | |
| | 50 | 2 | 96 | | | | | | |
| | 55 | 1 | 97 | | | | | | |
| | 60 | 1 | 98 | | | | | | |
| | 65 | 1 | 99 | | | | | | |
| | 70 | | | | | | | | |
| | 75 | 1 | 100 | | | | | | |

TABLE IV.- Concluded.

[Salt Lake City]

| Pressure, mb | Wind speed, knots | Winter | | Spring | | Summer | | Fall | |
|--------------|----------------------|-----------------------|-----|-----------------------|-----|-----------------------|-----|-----------------------|-----|
| | | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd | Number of cases | cpd |
| 20 | 0 | | | 5 | 6 | | | 3 | 3 |
| | 5 | 5 | 9 | 13 | 22 | 6 | 4 | 15 | 19 |
| | 10 | 6 | 20 | 29 | 57 | 14 | 15 | 28 | 48 |
| | 15 | 5 | 29 | 14 | 74 | 29 | 36 | 16 | 65 |
| | 20 | 3 | 35 | 9 | 84 | 24 | 54 | 10 | 76 |
| | 25 | 9 | 51 | 4 | 89 | 42 | 85 | 10 | 86 |
| | 30 | 4 | 58 | 1 | 90 | 12 | 94 | 4 | 91 |
| | 35 | 5 | 67 | 2 | 93 | 7 | 99 | 2 | 93 |
| | 40 | 1 | 69 | 5 | 99 | 1 | 100 | 3 | 96 |
| | 45 | | | 1 | 100 | | | 3 | 99 |
| | 50 | 4 | 76 | | | | | 1 | 100 |
| | 55 | 2 | 80 | | | | | | |
| | 60 | 1 | 82 | | | | | | |
| | 65 | | | | | | | | |
| | 70 | 5 | 91 | | | | | | |
| | 75 | 2 | 95 | | | | | | |
| | 80 | 1 | 96 | | | | | | |
| | 85 | 1 | 98 | | | | | | |
| | 90 | | | | | | | | |
| | 95 | 1 | 100 | | | | | | |
| 15 | 0 | | | 2 | 6 | | | 1 | 2 |
| | 5 | | | 3 | 3 | 3 | 5 | 7 | 16 |
| | 10 | | | 12 | 72 | 2 | 8 | 17 | 51 |
| | 15 | 3 | 15 | 6 | 91 | 10 | 24 | 3 | 57 |
| | 20 | | | 1 | 94 | 9 | 39 | 1 | 59 |
| | 25 | 1 | 20 | | | 19 | 69 | 4 | 67 |
| | 30 | 1 | 25 | | | 11 | 87 | 5 | 78 |
| | 35 | 2 | 35 | 1 | 97 | 7 | 98 | 4 | 86 |
| | 40 | 2 | 45 | | | 1 | 100 | 2 | 90 |
| | 45 | 1 | 50 | | | | | 3 | 96 |
| | 50 | | | 1 | 100 | | | | |
| | 55 | 1 | 55 | | | | | 2 | 100 |
| | 60 | 1 | 60 | | | | | | |
| | 65 | 1 | 65 | | | | | | |
| | 70 | | | | | | | | |
| | 75 | 2 | 75 | | | | | | |
| | 80 | 1 | 80 | | | | | | |
| | 85 | 1 | 85 | | | | | | |
| | 90 | | | | | | | | |
| | 95 | 2 | 95 | | | | | | |
| | 100 | 1 | 100 | | | | | | |
| 10 | 0 | | | | | | | 1 | 50 |
| | 5 | | | | | | | | |
| | 10 | | | | | 1 | 100 | | |
| | 15 | | | | | | | | |
| | 20 | | | | | | | | |
| | 25 | | | 1 | 50 | | | | |
| | 30 | | | | | | | | |
| | 35 | | | | | | | | |
| | 40 | | | | | | | | |
| | 45 | | | | | | | | |
| | 50 | | | | | | | | |
| | 55 | | | 1 | 100 | | | | |
| | 60 | | | | | | | | |
| | 65 | | | | | | | | |
| | 70 | | | | | | | 1 | 100 |
| | 75 | | | | | | | | |
| | 80 | | | | | | | | |
| | 85 | | | | | | | | |
| | 90 | | | | | | | | |
| | 95 | | | | | | | | |
| | 100 | | | | | | | | |
| | 7 | 40 | | | | | | 1 | 100 |

TABLE V.- SUMMARY OF WIND DIRECTIONS

[Edwards]

| Altitude, ft | Wind direction, deg | Winter | | Spring | | Summer | | Fall | |
|--------------|---------------------|-----------------|---------|-----------------|---------|-----------------|---------|-----------------|---------|
| | | Number of cases | percent |
| 50000 | N | 3 | 4 | 3 | 2 | 1 | 1 | 3 | 3 |
| | NNE | | | | | | | | |
| | NE | | | | | 1 | 1 | 2 | 2 |
| | ENE | | | | | 1 | 1 | 1 | 1 |
| | E | | | | | 2 | 2 | 1 | 1 |
| | ESE | | | | | | | | |
| | SE | | | | | | | | |
| | SSE | | | | | | | | |
| | S | | | | | | | | |
| | SSW | | | | | | | | |
| | SW | 2 | 3 | 1 | 4 | 2 | 5 | 1 | 7 |
| | WSW | 10 | 14 | 17 | 13 | 23 | 20 | 19 | 19 |
| | W | 29 | 39 | 57 | 22 | 16 | 14 | 31 | 35 |
| | WNW | 19 | 26 | 26 | 19 | 9 | 8 | 12 | 14 |
| | NW | 6 | 8 | 16 | 12 | 5 | 6 | 7 | 7 |
| | NNW | 5 | 7 | 7 | 5 | 3 | 3 | 2 | 2 |
| 60000 | N | 2 | 3 | 4 | 3 | 4 | 3 | 5 | 6 |
| | NNE | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 |
| | NE | 1 | 1 | 2 | 1 | 7 | 5 | 3 | 3 |
| | ENE | 1 | 1 | 3 | 2 | 24 | 16 | 6 | 7 |
| | E | | | | | 25 | 16 | 6 | 7 |
| | ESE | 1 | 1 | 1 | 1 | 25 | 16 | 3 | 3 |
| | SE | | | | | 23 | 15 | 3 | 3 |
| | SSE | 1 | 1 | 1 | 1 | 13 | 9 | 3 | 3 |
| | S | | | | | 6 | 5 | 1 | 1 |
| | SSW | | | | | 4 | 5 | 0 | 7 |
| | SW | 2 | 3 | 8 | 6 | 7 | 5 | 2 | 2 |
| | WSW | 9 | 13 | 15 | 11 | 3 | 2 | 13 | 14 |
| | W | 24 | 33 | 52 | 38 | 2 | 1 | 4 | 16 |
| | MNW | 14 | 19 | 17 | 12 | 1 | 1 | 5 | 6 |
| | NW | 12 | 17 | 11 | 6 | 6 | 4 | 4 | 4 |
| | NNW | 4 | 6 | 8 | 6 | 1 | 1 | 9 | 10 |
| 70000 | N | 9 | 13 | 3 | 2 | 1 | 1 | 5 | 6 |
| | NNE | 5 | 7 | 3 | 2 | 1 | 1 | 1 | 1 |
| | NE | 6 | 9 | 5 | 4 | 1 | 1 | 5 | 6 |
| | ENE | 7 | 10 | 3 | 2 | 10 | 9 | 7 | 8 |
| | E | 11 | 16 | 14 | 11 | 43 | 38 | 15 | 18 |
| | ESE | 2 | 3 | 9 | 7 | 37 | 33 | 5 | 6 |
| | SE | 2 | 3 | 7 | 6 | 10 | 9 | 2 | 2 |
| | SSE | | | | | 2 | 2 | 4 | 5 |
| | S | 2 | 3 | 1 | 1 | 2 | 2 | 4 | 5 |
| | SSW | | | | | 2 | 2 | 4 | 5 |
| | SW | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 |
| | WSW | 1 | 1 | 14 | 11 | 1 | 1 | 8 | 9 |
| | W | 4 | 6 | 30 | 24 | | | 2 | 2 |
| | MNW | 6 | 9 | 12 | 10 | | | 5 | 6 |
| | NW | 8 | 11 | 6 | 5 | | | 1 | 1 |
| | NNW | 6 | 9 | 6 | 5 | | | 1 | 1 |
| 80000 | N | 2 | 4 | 1 | 1 | | | 2 | 3 |
| | NNE | 4 | 7 | 1 | 1 | | | 22 | 33 |
| | NE | 5 | 9 | 5 | 4 | | | 22 | 33 |
| | ENE | 15 | 25 | 8 | 6 | | | 6 | 9 |
| | E | 15 | 26 | 25 | 20 | | | 20 | 31 |
| | ESE | 1 | 2 | 4 | 3 | | | 5 | 8 |
| | SE | | | | | 2 | | 3 | 5 |
| | SSE | 1 | 2 | 3 | 2 | | | 3 | 5 |
| | S | | | | | 2 | | 1 | 2 |
| | SSW | | | | | 1 | | 1 | 2 |
| | SW | 1 | 2 | 10 | 8 | | | 2 | 3 |
| | WSW | | | | | 1 | | 10 | 15 |
| | W | 6 | 11 | 11 | 9 | | | 2 | 3 |
| | MNW | 5 | 9 | 6 | 5 | | | 2 | 3 |
| | NW | 2 | 4 | 5 | 4 | | | 1 | 2 |
| | NNW | 1 | 2 | 2 | 2 | | | 2 | 3 |
| 90000 | N | 4 | 9 | 3 | 3 | | | 2 | 4 |
| | NNE | 4 | 9 | 1 | 1 | | | 1 | 2 |
| | NE | 3 | 7 | 1 | 1 | | | 1 | 2 |
| | ENE | 6 | 17 | 2 | 1 | | | 5 | 9 |
| | E | 10 | 22 | 13 | 12 | | | 15 | 29 |
| | ESE | 1 | 2 | 5 | 5 | | | 5 | 10 |
| | SE | | | | | 1 | | 1 | 2 |
| | SSE | | | | | 2 | | 1 | 2 |
| | S | | | | | 2 | | 1 | 2 |
| | SSW | | | | | 2 | | 2 | 4 |
| | SW | 2 | 4 | 10 | 10 | | | 1 | 2 |
| | WSW | 1 | 2 | 13 | 13 | | | 5 | 10 |
| | W | 7 | 15 | 30 | 29 | | | 15 | 29 |
| | MNW | 5 | 11 | 8 | 8 | | | 1 | 2 |
| | NW | 1 | 2 | 5 | 5 | | | 2 | 4 |
| | NNW | | | | | 2 | | 2 | 4 |
| 100000 | N | 2 | 7 | 2 | 3 | | | | |
| | NNE | 2 | 7 | 1 | 1 | | | | |
| | NE | 2 | 7 | 1 | 1 | | | | |
| | ENE | 6 | 22 | 1 | 1 | | | 4 | 15 |
| | E | 4 | 15 | 6 | 8 | | | 21 | 15 |
| | ESE | | | | | 2 | | 4 | 15 |
| | SE | | | | | 1 | | 4 | 15 |
| | SSE | | | | | 1 | | 1 | 4 |
| | S | | | | | 2 | | 1 | 4 |
| | SSW | | | | | 2 | | 1 | 4 |
| | SW | 1 | 4 | 10 | 14 | 1 | 1 | 5 | 19 |
| | WSW | 6 | 22 | 25 | 35 | | | 3 | 12 |
| | W | 22 | 22 | 10 | 14 | | | 3 | 12 |
| | MNW | 2 | 7 | 7 | 3 | | | 1 | 4 |
| | NW | 2 | 7 | 3 | 4 | | | 1 | 4 |
| | NNW | | | | | 2 | | 2 | 4 |

TABLE V.- Continued.

[Edwards]

| Altitude, ft | Wind direction, deg | Winter | | Spring | | Summer | | Fall | |
|--------------|---------------------|-----------------|---------|-----------------|---------|-----------------|---------|-----------------|---------|
| | | Number of cases | percent |
| 110000 | N | | | 3 | 8 | | | | |
| | NNE | | | | | | | | |
| | NE | 1 | 17 | | | 2 | 5 | | |
| | ENE | 1 | 17 | 1 | 3 | 1 | 2 | | |
| | E | 2 | 33 | 1 | 3 | 21 | 48 | | |
| | ESE | | | | | 7 | 16 | | |
| | SE | | | 1 | 3 | 7 | 16 | | |
| | SSE | | | | | 3 | 7 | | |
| | S | | | | | 2 | 5 | 1 | 50 |
| | SSW | | | | | 1 | 2 | | |
| | SW | | | 3 | 8 | | | | |
| | WSW | 1 | 17 | 8 | 20 | | | 1 | 50 |
| | W | | | 16 | 40 | | | | |
| | WNW | 1 | 17 | 4 | 10 | | | | |
| | NW | | | 2 | 5 | | | | |
| | NNW | | | 1 | 3 | | | | |
| 120000 | N | | | | | | | | |
| | NNE | | | | | | | | |
| | NE | 1 | 50 | | | | | | |
| | ENE | | | | | | | | |
| | E | | | | | 10 | 53 | | |
| | ESE | | | | | 4 | 21 | | |
| | SE | | | | | 4 | 21 | | |
| | SSE | | | | | 1 | 5 | | |
| | S | | | | | | | | |
| | SSW | | | 1 | 8 | | | | |
| | SW | | | | | | | | |
| | WSW | | | 3 | 23 | | | | |
| | W | | | 5 | 38 | | | | |
| | WNW | | | 2 | 15 | | | | |
| | NW | | | 2 | 15 | | | | |
| | NNW | 1 | 50 | | | | | | |
| 130000 | N | | | | | | | | |
| | NNE | | | | | | | | |
| | NE | | | 1 | 50 | | | | |
| | ENE | | | | | | | | |
| | E | | | | | | | | |
| | ESE | | | | | 1 | 50 | | |
| | SE | | | | | 1 | 50 | | |
| | SSE | | | | | | | | |
| | S | | | | | | | | |
| | SSW | | | | | | | | |
| | SW | | | | | | | | |
| | WSW | | | | | | | | |
| | W | | | | | | | | |
| | WNW | | | | | | | | |
| | NW | | | | | | | | |
| | NNW | | | 1 | 50 | | | | |

TABLE V.- Continued.
 [Las Vegas]

| Pressure, mb | Wind direction, deg | Winter | | Spring | | Summer | | Fall | |
|--------------|---------------------|-----------------|---------|-----------------|---------|-----------------|---------|-----------------|---------|
| | | Number of cases | percent |
| 100 | N | 6 | 4 | 1 | 1 | 3 | 2 | 5 | 3 |
| | NNE | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 1 |
| | NE | | | | | 3 | 2 | 3 | 2 |
| | ENE | | | | | 1 | 1 | 1 | 1 |
| | E | | | | | 3 | 2 | 1 | 1 |
| | ESE | | | | | 3 | 2 | 1 | 1 |
| | SE | | | | | 7 | 5 | 1 | 1 |
| | SSE | | | | | 5 | 3 | | |
| | S | | | | | | | | |
| | SSW | | | | | 2 | 2 | 1 | 1 |
| | SW | 4 | 3 | 16 | 12 | 28 | 18 | 3 | 2 |
| | WSW | 42 | 28 | 39 | 12 | 29 | 19 | 17 | 11 |
| | W | 45 | 30 | 54 | 25 | 18 | 12 | 26 | 16 |
| | WW | 27 | 18 | 22 | 14 | 12 | 8 | 16 | 10 |
| | NW | 13 | 9 | 10 | 6 | 6 | 4 | 19 | 12 |
| | NNW | 13 | 9 | 5 | 3 | 4 | 3 | 15 | 10 |
| 80 | N | 6 | 4 | 3 | 2 | 7 | 5 | 10 | 7 |
| | NNE | 5 | 4 | | | 1 | 1 | 4 | 3 |
| | NE | 3 | 2 | 2 | 1 | 6 | 4 | 4 | 3 |
| | ENE | | | 1 | 1 | 10 | 7 | 5 | 3 |
| | E | | | | | 17 | 12 | 1 | 1 |
| | ESE | | | | | 20 | 14 | | |
| | SE | 1 | 1 | 3 | 3 | 12 | 8 | | |
| | SSE | | | 2 | 1 | 19 | 13 | 1 | 1 |
| | S | | | 5 | 3 | 16 | 11 | 1 | 1 |
| | SSW | 1 | 1 | 6 | 3 | 10 | 7 | 5 | 3 |
| | SW | 6 | 4 | 17 | 11 | 7 | 5 | 13 | 9 |
| | WSW | 30 | 21 | 24 | 16 | 5 | 4 | 30 | 20 |
| | W | 42 | 30 | 44 | 29 | 6 | 4 | 34 | 22 |
| | WW | 22 | 15 | 25 | 17 | 1 | 1 | 15 | 10 |
| | NW | 14 | 10 | 9 | 6 | 2 | 1 | 26 | 17 |
| | NNW | 12 | 8 | 3 | 2 | 3 | 2 | 4 | 3 |
| 60 | N | 6 | 5 | 7 | 5 | 1 | 1 | 13 | 9 |
| | NNE | 6 | 5 | 6 | 4 | 1 | 1 | 7 | 5 |
| | NE | 5 | 4 | 4 | 3 | 3 | 2 | 6 | 4 |
| | ENE | 3 | 2 | 2 | 1 | 22 | 16 | 14 | 9 |
| | E | 3 | 2 | 4 | 3 | 3 | 4 | 7 | 5 |
| | ESE | 1 | 1 | 8 | 6 | 25 | 19 | 4 | 3 |
| | SE | | | 7 | 5 | 12 | 9 | 3 | 2 |
| | SSE | 1 | 1 | 3 | 3 | 4 | 3 | 1 | 1 |
| | S | 2 | 2 | 7 | 5 | 1 | 1 | 5 | 3 |
| | SSW | 3 | 2 | 12 | 9 | 9 | 7 | 5 | 3 |
| | SW | 4 | 3 | 12 | 9 | 9 | 7 | 9 | 6 |
| | WSW | 15 | 11 | 9 | 6 | 2 | 1 | 22 | 15 |
| | W | 24 | 18 | 17 | 12 | | | 11 | 7 |
| | WW | 25 | 19 | 19 | 14 | | | 18 | 12 |
| | NW | 23 | 18 | 13 | 9 | | | 17 | 11 |
| | NNW | 7 | 5 | 9 | 6 | 3 | 2 | 6 | 4 |
| 40 | N | 9 | 8 | 11 | 9 | | | 5 | 4 |
| | NNE | 8 | 7 | 4 | 3 | | | 3 | 2 |
| | NE | 13 | 12 | 9 | 8 | 1 | 1 | 13 | 10 |
| | ENE | 11 | 10 | 18 | 15 | 14 | 13 | 18 | 14 |
| | E | 3 | 3 | 20 | 17 | 76 | 70 | 17 | 13 |
| | ESE | 1 | 1 | 4 | 3 | 16 | 15 | 5 | 4 |
| | SE | | | 4 | 3 | 1 | 1 | 4 | 3 |
| | SSE | | | 1 | 1 | 1 | 1 | 2 | 2 |
| | S | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | SSW | | | 2 | 2 | 2 | 2 | 2 | 2 |
| | SW | 4 | 4 | 22 | 22 | | | 6 | 5 |
| | WSW | 10 | 9 | 9 | 8 | | | 13 | 10 |
| | W | 11 | 10 | 13 | 11 | | | 12 | 9 |
| | WW | 16 | 14 | 7 | 6 | | | 12 | 9 |
| | NW | 14 | 13 | 5 | 4 | | | 6 | 5 |
| | NNW | 9 | 8 | 7 | 6 | | | 12 | 9 |
| 30 | N | 4 | 5 | 1 | 2 | | | 6 | 6 |
| | NNE | 5 | 6 | 4 | 6 | | | 5 | 5 |
| | NE | 9 | 12 | 7 | 11 | 1 | 1 | 6 | 6 |
| | ENE | 6 | 8 | 10 | 15 | 15 | 20 | 10 | 10 |
| | E | 4 | 5 | 10 | 15 | 47 | 64 | 16 | 16 |
| | ESE | 1 | 1 | 3 | 3 | 10 | 14 | 7 | 7 |
| | SE | | | 4 | 6 | | | 4 | 4 |
| | SSE | 1 | 1 | 1 | 2 | | | 1 | 1 |
| | S | | | 1 | 2 | | | 2 | 2 |
| | SSW | 1 | 1 | 1 | 2 | | | 2 | 2 |
| | SW | 4 | 5 | 1 | 2 | | | 2 | 2 |
| | WSW | 5 | 6 | 2 | 3 | | | 13 | 13 |
| | W | 6 | 6 | 8 | 12 | | | 14 | 14 |
| | WW | 15 | 19 | 8 | 12 | | | 7 | 7 |
| | NW | 7 | 9 | 2 | 3 | | | 3 | 3 |
| | NNW | 6 | 8 | 4 | 6 | | | 2 | 2 |
| 20 | N | 3 | 6 | 1 | 5 | | | 2 | 11 |
| | NNE | 1 | 2 | 14 | 10 | 15 | 12 | 1 | 6 |
| | NE | 7 | 4 | 2 | 10 | 27 | 64 | 15 | 28 |
| | ENE | 2 | 4 | 5 | 24 | 5 | 12 | 3 | 17 |
| | E | 1 | 2 | | | 2 | 5 | | |
| | ESE | 1 | 2 | | | 2 | 5 | | |
| | SE | | | 1 | 5 | | | | |
| | SSE | 1 | 2 | | | 2 | 5 | | |
| | S | | | 1 | 5 | | | 1 | 6 |
| | SSW | | | 1 | 5 | | | | |
| | SW | | | 1 | 5 | | | | |
| | WSW | 3 | 6 | 4 | 19 | | | | |
| | W | 10 | 20 | 4 | 19 | | | 2 | 11 |
| | WW | 12 | 24 | 5 | 24 | | | | |
| | NW | 7 | 14 | 1 | 5 | | | 1 | 6 |
| | NNW | 3 | 6 | 4 | 15 | | | | |

TABLE V.- Continued.
[Las Vegas]

| Pressure, mb | Wind direction, deg | Winter | | Spring | | Summer | | Fall | |
|--------------|---------------------|-----------------|---------|-----------------|---------|-----------------|---------|-----------------|---------|
| | | Number of cases | Percent |
| 15 | | | | | | | | | |
| N | | | | | | | | | |
| NNE | 1 | 4 | | | | | | | |
| NE | 2 | 7 | | | | | | | |
| ENE | 1 | 4 | | | | | | | |
| E | 1 | 4 | | | | | | | |
| ESE | | | | 1 | 14 | 3 | 58 | | |
| SE | 1 | 4 | | | | | | | |
| SSE | 1 | 4 | | | | | | | |
| S | 1 | 4 | | | | | | | |
| SSW | | | | 1 | 14 | | | | |
| SW | | | | | | | | | |
| WSW | 2 | 7 | | 1 | 14 | | | | |
| W | 5 | 19 | | 3 | 43 | | | | |
| WNW | 8 | 30 | | | | | | | |
| NW | 3 | 11 | | 1 | 14 | | | | |
| NNW | 1 | 4 | | | | | | | |
| [Ely] | | | | | | | | | |
| 100 | | | | | | | | | |
| N | 1 | 4 | | 1 | 2 | 1 | 5 | 5 | 8 |
| NNE | | | | 1 | 2 | 1 | 1 | 1 | 2 |
| NE | | | | 1 | 2 | 4 | 4 | 2 | 3 |
| ENE | | | | | | 3 | 3 | | |
| E | | | | | | 3 | 4 | | |
| ESE | | | | | | 2 | 1 | 1 | 2 |
| SE | | | | 2 | 3 | 2 | 3 | | |
| SSE | | | | | | 2 | 3 | | |
| S | | | | | | 7 | 7 | 1 | 2 |
| SSW | 1 | 4 | | 6 | 9 | 15 | 27 | 1 | 2 |
| SW | 1 | 4 | | 7 | 11 | 9 | 13 | 7 | 11 |
| WSW | 1 | 4 | | 15 | 23 | 9 | 13 | 7 | 11 |
| U | 3 | 12 | | 12 | 10 | 5 | 9 | 10 | 12 |
| WNW | 5 | 20 | | 14 | 12 | 5 | 14 | 10 | 15 |
| NW | 8 | 28 | | 5 | 5 | 3 | 4 | 6 | 9 |
| NNW | 5 | 20 | | 1 | 2 | 4 | 6 | 6 | 9 |
| 80 | | | | | | | | | |
| N | 2 | 6 | | 4 | 6 | 1 | 25 | 6 | 10 |
| NNE | | | | 1 | 2 | 3 | 5 | 2 | 3 |
| NE | | | | 2 | 3 | 10 | 16 | 5 | 8 |
| ENE | | | | 2 | 3 | 2 | 3 | 1 | 2 |
| E | | | | | | 2 | 3 | 1 | 2 |
| ESE | 1 | 4 | | 1 | 2 | 4 | 6 | 1 | 1 |
| SE | | | | | | 3 | 5 | | |
| SSE | | | | 2 | 3 | 4 | 6 | | |
| S | | | | 4 | 6 | 9 | 15 | 2 | 3 |
| SSW | 1 | 4 | | 5 | 6 | 4 | 6 | 2 | 3 |
| SW | | | | 9 | 15 | 6 | 10 | | |
| WSW | 2 | 6 | | 8 | 13 | 6 | 10 | 5 | 8 |
| W | | | | 8 | 13 | 6 | 10 | 5 | 8 |
| WNW | 5 | 21 | | 9 | 15 | 6 | 10 | 5 | 8 |
| NW | 5 | 23 | | 6 | 10 | 1 | 2 | 5 | 8 |
| NNW | 5 | 21 | | 1 | 2 | | | 5 | 8 |
| 60 | | | | | | | | | |
| N | 3 | 13 | | 1 | 2 | 0 | 1 | 3 | 6 |
| NNE | 2 | 8 | | 1 | 2 | 7 | 9 | 5 | 9 |
| NE | | | | 4 | 7 | 9 | 16 | 6 | 11 |
| ENE | | | | 4 | 7 | 9 | 16 | 2 | 4 |
| E | | | | 6 | 10 | 13 | 23 | 2 | 4 |
| ESE | 1 | 4 | | 2 | 3 | 11 | 20 | 1 | 2 |
| SE | | | | 1 | 2 | 4 | 7 | 1 | 2 |
| SSE | | | | 7 | 12 | 5 | 9 | 1 | 2 |
| S | | | | 3 | 5 | 1 | 2 | 1 | 2 |
| SSW | 2 | 6 | | 4 | 7 | 1 | 2 | 1 | 2 |
| SW | | | | 4 | 7 | 3 | 5 | 4 | 7 |
| WSW | 1 | 4 | | 6 | 10 | 3 | 5 | 4 | 7 |
| W | 2 | 6 | | 3 | 5 | 3 | 5 | 6 | 9 |
| WNW | 5 | 21 | | 3 | 5 | 1 | 2 | 5 | 9 |
| NW | 3 | 13 | | 3 | 5 | | | 5 | 9 |
| NNW | 5 | 21 | | 3 | 5 | | | 3 | 6 |
| 40 | | | | | | | | | |
| N | 1 | 6 | | 1 | 3 | 1 | 2 | 4 | 6 |
| NNE | 5 | 31 | | 2 | 6 | 1 | 2 | 3 | 6 |
| NE | 2 | 13 | | 3 | 9 | 1 | 2 | 8 | 16 |
| ENE | 1 | 6 | | 7 | 21 | 11 | 22 | 3 | 6 |
| E | 1 | 6 | | 7 | 21 | 21 | 42 | 3 | 6 |
| ESE | | | | 3 | 9 | 10 | 20 | 1 | 2 |
| SE | | | | | | | | 1 | 2 |
| SSE | | | | | | | | 1 | 2 |
| S | | | | | | | | 1 | 2 |
| SSW | | | | | | | | 1 | 2 |
| SW | | | | | | | | 1 | 2 |
| WSW | 1 | 6 | | 2 | 6 | 1 | 2 | 5 | 10 |
| W | 1 | 6 | | 3 | 9 | 2 | 4 | 6 | 12 |
| WNW | 3 | 19 | | 1 | 3 | 1 | 2 | 8 | 16 |
| NW | 1 | 6 | | 1 | 3 | | | 3 | 6 |

TABLE V.- Continued.

[Ely]

| Pressure, mb | Wind direction, deg | Winter | | Spring | | Summer | | Fall | |
|--------------|---------------------|-----------------|---------|-----------------|---------|-----------------|---------|-----------------|---------|
| | | Number of cases | Percent |
| > 6 | N | 1 | 1 7 | | | | | 3 | 8 |
| | NNE | 3 | 5 5 | 1 | 6 | | | 1 | 3 |
| | NE | 1 | 1 7 | 1 | 6 | | | 2 | 5 |
| | ENE | | | 4 | 2 2 | 1 0 | 2 7 | 2 | 5 |
| | E | | | 4 | 2 2 | 1 3 | 3 5 | 2 | 5 |
| | ESE | | | | | 5 | 1 4 | 5 | 8 |
| | SE | | | 1 | 6 | | | 5 | |
| | SSE | | | | | 2 | 5 | | |
| | S | | | | | 1 | 3 | 1 | 3 |
| | SSW | | | | | 1 | 3 | | |
| | SW | | | | | 1 | 3 | | |
| | WSW | | | 3 | 1 7 | 2 | 5 | 7 | 1 9 |
| | W | | | 1 | 6 | 2 | 5 | 2 | 5 |
| | WNW | | | 1 | 6 | | | 7 | 1 9 |
| | NW | | | | | | | 1 | 3 |
| | NNW | 2 | 3 3 | 2 | 1 1 | | | 5 | 8 |
| 2 0 | N | 1 | 5 0 | | | | | | |
| | NNE | 1 | 5 0 | | | | | | |
| | NE | | | | | 2 | 1 8 | 1 | 1 7 |
| | ENE | | | | | 7 | 6 4 | 2 | 3 3 |
| | E | | | | | 1 | 9 | | |
| | ESE | | | | | | | 1 | 1 7 |
| | SE | | | 1 | 5 0 | | | 1 | 1 7 |
| | SSE | | | | | | | | |
| | S | | | | | | | | |
| | SSW | | | | | | | | |
| | SW | | | | | | | | |
| | WSW | | | | | | | | |
| | W | | | | | 1 | 9 | | |
| | WNW | | | | | | | 1 | 1 7 |
| | NW | | | | | | | | |
| | NNW | | | 1 | 5 0 | | | | |
| 1 5 | N | | | | | | | | |
| | NNE | | | | | | | | |
| | NE | | | | | | | | |
| | ENE | | | | | | | | |
| | E | | | | | | | | |
| | ESE | | | | | | | | |
| | SE | | | | | | | | |
| | SSE | | | | | | | | |
| | S | | | | | | | | |
| | SSW | | | | | | | | |
| | SW | | | | | | | | |
| | WSW | | | | | | | | |
| | W | | | | | | | | |
| | WNW | | | | | | | | |
| | NW | | | | | | | | |
| | NNW | | | | | | | | |

[Salt Lake City]

| | | | | | | | | | |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 0 0 | N | 3 | 1 | 2 | 1 | 2 | 1 | 6 | 4 |
| | NNE | | | | | 1 | 1 | 5 | 3 |
| | NE | | | | | 3 | 2 | | |
| | ENE | | | | | 1 | 1 | | |
| | E | | | | | | | | |
| | ESE | 1 | 1 | | | | | 1 | 1 |
| | SE | | | | | 1 | 1 | | |
| | SSE | | | | | 2 | 1 | 1 | 1 |
| | S | | | | | 2 | 1 | | |
| | SSW | | | | | 11 | 7 | 6 | 4 |
| | SW | | | | | 25 | 16 | 29 | 12 |
| | WSW | 2 7 | 2 0 | 2 6 | 1 7 | 3 6 | 2 1 | 3 6 | 2 3 |
| | W | 4 0 | 2 9 | 4 6 | 3 0 | 1 0 | 6 | 2 5 | 1 6 |
| | WNW | 3 9 | 2 8 | 2 6 | 1 7 | 7 | 4 | 2 7 | 1 8 |
| | NW | 2 0 | 1 4 | 1 1 | 7 | 1 2 | 7 | 2 5 | 1 6 |
| | NNW | 9 | 7 | 3 | 2 | 5 | 3 | 1 0 | 6 |
| 8 0 | N | 3 | 2 | 1 | 1 | 1 0 | 6 | 1 4 | 9 |
| | NNE | 2 | 1 | 3 | 2 | 3 | 2 | 4 | 3 |
| | NE | 1 | 1 | | | 8 | 5 | 1 | 1 |
| | ENE | | | 1 | 1 | 6 | 4 | 2 | 1 |
| | E | | | | | 4 | 3 | 2 | 1 |
| | ESE | | | | | 6 | 4 | 1 | 1 |
| | SE | | | | | | | | |
| | SSE | 2 | 1 | 1 0 | 7 | 2 2 | 1 4 | 2 | 1 |
| | S | | | | | 15 | 10 | 13 | 2 |
| | SSW | 4 | 3 | 1 8 | 1 2 | 1 8 | 1 1 | 1 3 | 8 |
| | SW | 2 0 | 1 5 | 2 7 | 1 8 | 9 | 6 | 2 9 | 1 9 |
| | WSW | 3 4 | 2 5 | 3 4 | 2 2 | 5 | 3 | 3 1 | 2 0 |
| | W | 3 8 | 2 8 | 2 6 | 1 7 | 6 | 4 | 2 4 | 1 6 |
| | WNW | 1 7 | 1 2 | 1 3 | 8 | 3 | 2 | 1 9 | 1 2 |
| | NW | 1 5 | 1 1 | 2 | 1 | 5 | 3 | 9 | 6 |

TABLE V.- Concluded.
[Salt Lake City]

| Pressure, mb | Wind direction, deg | Winter | | Spring | | Summer | | Fall | |
|--------------|---------------------|-----------------|---------|-----------------|---------|-----------------|---------|-----------------|---------|
| | | Number of cases | percent |
| 60 | N | 13 | 10 | 3 | 2 | 1 | 1 | 9 | 6 |
| | NNE | 3 | 2 | 2 | 1 | 8 | 5 | 8 | 5 |
| | NE | 3 | 2 | 2 | 1 | 3 | 2 | 9 | 6 |
| | ENE | | | 5 | 3 | 14 | 9 | 4 | 3 |
| | E | 1 | 1 | 4 | 3 | 35 | 22 | | |
| | ESE | | | 4 | 3 | 37 | 23 | 4 | 3 |
| | SE | | | 4 | 3 | 23 | 15 | | |
| | SSE | | | 4 | 3 | 15 | 9 | 1 | 1 |
| | S | | | 13 | 9 | 9 | 6 | 1 | 1 |
| | SSW | | | 15 | 10 | 3 | 2 | 4 | 3 |
| | SW | 1 | 1 | 19 | 13 | 3 | 2 | 18 | 12 |
| | WSW | 18 | 14 | 16 | 11 | | | 17 | 11 |
| | W | 27 | 21 | 14 | 10 | 1 | 1 | 20 | 13 |
| | WNW | 29 | 22 | 19 | 13 | 3 | 2 | 27 | 18 |
| | NW | 21 | 16 | 17 | 12 | 1 | 1 | 16 | 11 |
| | NNW | 15 | 11 | 4 | 3 | 2 | 1 | 11 | 7 |
| 40 | N | 14 | 12 | 8 | 6 | | | 9 | 6 |
| | NNE | 4 | 3 | 2 | 2 | 2 | 1 | 7 | 5 |
| | NE | 8 | 7 | 4 | 3 | 4 | 3 | 7 | 5 |
| | ENE | 8 | 7 | 9 | 7 | 14 | 10 | 3 | 2 |
| | E | 3 | 3 | 17 | 13 | 59 | 44 | 2 | 1 |
| | ESE | 2 | 2 | 14 | 11 | 38 | 28 | 7 | 5 |
| | SE | | | 4 | 3 | 11 | 8 | 6 | 4 |
| | SSE | | | 4 | 3 | 2 | 1 | 4 | 3 |
| | S | 1 | 1 | 2 | 2 | 2 | 1 | 3 | 2 |
| | SSW | 2 | 2 | 7 | 6 | 2 | 1 | 5 | 3 |
| | SW | 2 | 2 | 8 | 6 | | | 5 | 3 |
| | WSW | 4 | 3 | 10 | 8 | | | 22 | 15 |
| | W | 24 | 21 | 12 | 10 | | | 25 | 17 |
| | WNW | 24 | 21 | 16 | 13 | | | 22 | 15 |
| | NW | 13 | 11 | 7 | 6 | | | 12 | 9 |
| | NNW | 10 | 9 | 2 | 2 | | | 6 | 4 |
| 20 | N | 8 | 9 | 5 | 6 | | | 4 | 3 |
| | NNE | 5 | 5 | 4 | 5 | 1 | 1 | 6 | 5 |
| | NE | 9 | 10 | 4 | 5 | 14 | 12 | 8 | 7 |
| | ENE | 5 | 5 | 5 | 6 | 62 | 54 | 8 | 7 |
| | E | 2 | 2 | 17 | 9 | 10 | 33 | 2 | 2 |
| | ESE | | | 5 | 6 | 32 | 29 | 4 | 3 |
| | SE | | | 5 | 6 | 2 | 1 | 4 | 3 |
| | SSE | | | 2 | 2 | 1 | 1 | 3 | 2 |
| | S | 1 | 1 | 5 | 6 | 1 | 1 | 1 | 1 |
| | SSW | 1 | 1 | 3 | 3 | | | 3 | 2 |
| | SW | 1 | 1 | 6 | 7 | 1 | 1 | 7 | 6 |
| | WSW | 3 | 3 | 7 | 8 | | | 17 | 14 |
| | W | 9 | 10 | 8 | 9 | | | 21 | 17 |
| | WNW | 26 | 28 | 19 | 10 | | | 16 | 13 |
| | NW | 12 | 13 | 9 | 10 | | | 7 | 6 |
| | NNW | 10 | 11 | 1 | 1 | | | 8 | 7 |
| 15 | N | 3 | 6 | 5 | 6 | | | 5 | 5 |
| | NNE | 6 | 11 | 3 | 4 | 15 | 14 | 4 | 4 |
| | NE | 2 | 4 | 4 | 5 | 12 | 9 | 6 | 6 |
| | ENE | 3 | 6 | 11 | 13 | 61 | 62 | 6 | 6 |
| | E | 5 | 9 | 12 | 15 | 24 | 18 | 3 | 3 |
| | ESE | 3 | 6 | 10 | 12 | 6 | 5 | 2 | 2 |
| | SE | | | 6 | 7 | 1 | 1 | 1 | 1 |
| | SSE | | | 1 | 1 | | | 4 | 4 |
| | S | | | 3 | 4 | 1 | 1 | 4 | 4 |
| | SSW | | | 4 | 5 | | | 4 | 4 |
| | SW | | | 6 | 7 | 1 | 1 | 6 | 6 |
| | WSW | 1 | 2 | 4 | 5 | | | 14 | 13 |
| | W | 18 | 33 | 4 | 5 | | | 23 | 21 |
| | WNW | 12 | 22 | 5 | 6 | | | 15 | 14 |
| | NW | 1 | 2 | 3 | 4 | | | 3 | 3 |
| | NNW | | | 1 | 1 | | | 6 | 6 |
| 10 | N | 1 | 10 | 2 | 7 | | | 2 | 5 |
| | NNE | 1 | 10 | 2 | 7 | | | 2 | 5 |
| | NE | | | 4 | 13 | 1 | 1 | 5 | 5 |
| | ENE | 1 | 10 | 3 | 13 | 7 | 11 | 2 | 14 |
| | E | 2 | 20 | 10 | 41 | 64 | 19 | 2 | 5 |
| | ESE | | | 6 | 20 | 12 | 19 | 2 | 5 |
| | SE | | | 2 | 7 | | | | |
| | SSE | | | | | | | | |
| | S | | | | | | | | |
| | SSW | | | 1 | 3 | | | 3 | 8 |
| | SW | | | 2 | 7 | | | 1 | 3 |
| | WSW | | | 3 | 10 | | | 8 | 22 |
| | W | | | | | | | 6 | 16 |
| | WNW | 5 | 50 | 1 | 3 | | | 1 | 3 |
| | NW | | | | | | | 1 | 3 |
| | NNW | | | | | | | 2 | 5 |
| 7 | WSW | | | | | | | 1 | 100 |

TABLE VI.- AVERAGE AND MAXIMUM TWENTY-FOUR-HOUR
CHANGES IN TEMPERATURES

| Station | Pressure, mb | January | | | April | | | July | | | October | | |
|----------------|-----------------|----------------------------------------------|---------------------------------------------------|----------------------------------------------|-----------------------------------------|-----------------------|----------------------------------------------|-----------------------------------------|-----------------------|----------------------------------------------|-----------------------------------------|-----------------------|----------------------------------------------|
| | | $\bar{\Delta}T_{24}$, $^{\circ}\text{C}$ | Number ΔT_{24} , $^{\circ}\text{C}$ | $\bar{\Delta}T_{24}$, $^{\circ}\text{C}$ | ΔT_{24} , $^{\circ}\text{C}$ | Number of cases | $\bar{\Delta}T_{24}$, $^{\circ}\text{C}$ | ΔT_{24} , $^{\circ}\text{C}$ | Number of cases | $\bar{\Delta}T_{24}$, $^{\circ}\text{C}$ | ΔT_{24} , $^{\circ}\text{C}$ | Number of cases | $\bar{\Delta}T_{24}$, $^{\circ}\text{C}$ |
| Las Vegas | 100 | 2.6 | 35 | 10 | 2.1 | 46 | 6 | 1.6 | 53 | 6 | 2.5 | 48 | 12 |
| | 60 | 1.4 | 25 | 4 | 2.2 | 39 | 14 | 1.2 | 40 | 4 | 1.3 | 46 | 4 |
| | 40 | 1.6 | 22 | 4 | 1.4 | 32 | 4 | 1.2 | 25 | 4 | 1.6 | 43 | 6 |
| | 30 | 1.3 | 12 | 4 | 1.2 | 22 | 4 | .7 | 10 | 2 | 1.6 | 28 | 5 |
| | 20 | 4.0 | 1 | | | | | | | | | | |
| Ely | 100 | 1.8 | 41 | 4 | 2.1 | 45 | 7 | 1.7 | 52 | 5 | 3.0 | 49 | 16 |
| | 60 | 1.8 | 32 | 6 | 1.2 | 38 | 4 | 1.2 | 44 | 5 | 1.7 | 41 | 7 |
| | 40 | 2.0 | 13 | 5 | 1.9 | 15 | 3 | 1.3 | 34 | 3 | 1.3 | 35 | 5 |
| | 30 | 2.1 | 5 | 4 | 1.7 | 7 | 3 | 1.4 | 23 | 3 | 1.4 | 23 | 4 |
| | 20 | | | | | | | 2.2 | 2 | 3 | 2.0 | 2 | 3 |
| Salt Lake City | 100 | 2.0 | 54 | 6 | 2.0 | 54 | 6 | 1.7 | 56 | 5 | 3.0 | 47 | 14 |
| | 60 | 2.0 | 28 | 6 | 1.3 | 41 | 5 | 1.0 | 53 | 5 | 1.6 | 30 | 4 |
| | 40 | 2.0 | 14 | 4 | .9 | 33 | 3 | 1.2 | 49 | 8 | 1.4 | 24 | 5 |
| | 30 | 1.6 | 6 | 5 | .9 | 22 | 4 | 1.3 | 40 | 4 | 1.7 | 18 | 4 |
| | 20 | | | | .9 | 9 | 2 | 2.1 | 15 | 3 | 2.4 | 14 | 3 |

TABLE VII.- AVERAGE AND MAXIMUM TWENTY-FOUR-HOUR
CHANGES IN PRESSURE HEIGHTS

| Station | Pressure, mb | January | | | April | | | July | | | October | | | |
|-------------------|-----------------|-------------------------------|-----------------------|----------------------------------|-------------------------------|-----------------------|----------------------------------|-------------------------------|-----------------------|----------------------------------|-------------------------------|-----------------------|----------------------------------|-----|
| | | $\bar{\Delta}ph_{24}$, ft | Number of cases | Δph_{24} , max, ft | $\bar{\Delta}ph_{24}$, ft | Number of cases | Δph_{24} , max, ft | $\bar{\Delta}ph_{24}$, ft | Number of cases | Δph_{24} , max, ft | $\bar{\Delta}ph_{24}$, ft | Number of cases | Δph_{24} , max, ft | |
| Las Vegas | 100 | 150 | 35 | 400 | 170 | 48 | 680 | 120 | 53 | 420 | 160 | 48 | 450 | |
| | 60 | 110 | 25 | 510 | 110 | 42 | 360 | 100 | 40 | 410 | 110 | 46 | 410 | |
| | 40 | 130 | 21 | 590 | 140 | 32 | 1,000 | 110 | 25 | 390 | 120 | 43 | 420 | |
| | 30 | 150 | 13 | 640 | 150 | 22 | 450 | 120 | 10 | 320 | 130 | 28 | 390 | |
| Ely | 100 | 130 | 43 | 480 | 120 | 46 | 280 | 100 | 52 | 280 | 140 | 48 | 520 | |
| | 60 | 120 | 33 | 290 | 120 | 38 | 320 | 100 | 44 | 270 | 130 | 41 | 320 | |
| | 40 | 130 | 13 | 380 | 140 | 15 | 410 | 130 | 25 | 350 | 130 | 36 | 370 | |
| | 30 | 200 | 5 | 390 | 150 | 7 | 470 | 140 | 23 | 430 | 140 | 22 | 400 | |
| | 20 | | | | | | | 210 | 2 | 220 | 230 | 2 | 320 | |
| Salt Lake City | 100 | 170 | 53 | 440 | 110 | 52 | 380 | 120 | 55 | 440 | 150 | 46 | 440 | |
| | 60 | 120 | 26 | 300 | 100 | 39 | 550 | 100 | 51 | 410 | 90 | 28 | 290 | |
| | 40 | 150 | 13 | 370 | 130 | 31 | 630 | 130 | 47 | 410 | 100 | 23 | 290 | |
| | 30 | 210 | 6 | | | | | 420 | 140 | 38 | 390 | 120 | 18 | 440 |
| | 20 | | | | | | | 120 | 8 | 330 | 150 | 15 | 470 | |
| | 15 | | | | | | | 190 | 5 | 390 | 150 | 5 | 300 | |

TABLE VIII.- AVERAGE AND MAXIMUM TWENTY-FOUR-HOUR
CHANGES IN WIND SPEEDS

| Station | Pressure, mb | January | | | April | | | July | | | October | | |
|-------------------|-----------------|----------------------------------|-----------------------|-----------------------------------|----------------------------------|-----------------------|-----------------------------------|----------------------------------|-----------------------|-----------------------------------|----------------------------------|-----------------------|-----------------------------------|
| | | $\bar{\Delta}ff_{24}$, knots | Number of cases | Δff_{24}_{max} , knots | $\bar{\Delta}ff_{24}$, knots | Number of cases | Δff_{24}_{max} , knots | $\bar{\Delta}ff_{24}$, knots | Number of cases | Δff_{24}_{max} , knots | $\bar{\Delta}ff_{24}$, knots | Number of cases | Δff_{24}_{max} , knots |
| Las Vegas | 100 | 11 | 30 | 37 | 45 | 57 | 6 | 51 | 19 | 8 | 46 | 23 | |
| | 60 | 7 | 19 | 16 | 5 | 37 | 3 | 43 | 14 | 4 | 44 | 21 | |
| | 40 | 5 | 18 | 14 | 4 | 31 | 5 | 21 | 14 | 4 | 41 | 14 | |
| | 30 | 5 | 22 | 21 | 4 | 15 | 6 | 7 | 8 | 6 | 22 | 41 | |
| Ely | 100 | 14 | 2 | 19 | 6 | 7 | 16 | 6 | 16 | 27 | 13 | 15 | 35 |
| | 60 | 3 | 2 | 6 | 4 | 4 | 8 | 6 | 12 | 18 | 4 | 7 | 8 |
| | 40 | 4 | 1 | 1 | | | | | 7 | 14 | 9 | 8 | 23 |
| | 30 | | | | | | | | 3 | 8 | 6 | 5 | 23 |
| Salt Lake City | 100 | 11 | 36 | 35 | 7 | 46 | 29 | 5 | 53 | 56 | 5 | 35 | 25 |
| | 60 | 5 | 15 | 14 | 5 | 33 | 18 | 4 | 51 | 10 | 7 | 26 | 27 |
| | 40 | 11 | 9 | 23 | 4 | 27 | 12 | 4 | 41 | 16 | 7 | 21 | 19 |
| | 30 | | | | | | | | | | | | |

TABLE IX.— AVERAGE AND MAXIMUM TWENTY-FOUR-HOUR
CHANGES IN WIND DIRECTIONS

| Station | Pressure, mb | January | | April | | July | | October | |
|-------------------|-----------------|-------------------------------|-----------------------|---------------------------------------|-----------------------|---------------------------------------|-----------------------|---------------------------------------|-----------------------|
| | | $\bar{\Delta}d_{24}$, deg | Number of cases | $\bar{\Delta}d_{24}$, max, deg | Number of cases | $\bar{\Delta}d_{24}$, max, deg | Number of cases | $\bar{\Delta}d_{24}$, max, deg | Number of cases |
| Las Vegas | 100 | 19 | 31 | 85 | 45 | 139 | 51 | 160 | 46 |
| | 60 | 39 | 19 | 178 | 45 | 155 | 40 | 58 | 44 |
| | 40 | 42 | 18 | 89 | 59 | 179 | 11 | 64 | 41 |
| | 30 | 51 | 11 | 91 | 53 | 165 | 7 | 21 | 22 |
| Ely | 100 | 25 | 2 | 29 | 53 | 7 | 37 | 16 | 98 |
| | 60 | 26 | 2 | 46 | 51 | 4 | 34 | 12 | 42 |
| | 40 | 32 | 1 | 32 | | | 34 | 7 | 161 |
| | 30 | | | | | | 14 | 3 | 62 |
| Salt Lake City | 100 | 18 | 21 | 55 | 30 | 45 | 144 | 28 | 51 |
| | 60 | 43 | 12 | 173 | 38 | 31 | 172 | 33 | 129 |
| | 40 | 44 | 7 | 124 | 57 | 24 | 157 | 13 | 140 |
| | 30 | 30 | 109 | 4 | 139 | 42 | 133 | 9 | 42 |
| | 20 | | | | 64 | 8 | 160 | 12 | 36 |

TABLE X.-- AVERAGE DIURNAL AND SIX-HOUR TEMPERATURE
CHANGES FOR SALT LAKE CITY

| Pressure, mb | January | | | | | | July | | | | | | | | |
|-----------------|---------------------------------------------------------|--------------------|--------------------|-------------------------------------------|-----------------------|---------------------------------------------------------|--------------------|--------------------|-------------------------------------------|-----------------------|--|--|--|--|--|
| | Average 6-hour change in T , $^{\circ}\text{C}$ | | | $\Delta\bar{T}_d$, $^{\circ}\text{C}$ | Number of cases | Average 6-hour change in T , $^{\circ}\text{C}$ | | | $\Delta\bar{T}_d$, $^{\circ}\text{C}$ | Number of cases | | | | | |
| | Time interval, G.m.t. | | | | | Time interval, G.m.t. | | | | | | | | | |
| | 0300 to 0900 | 0900 to 1500 | 1500 to 2100 | | | 0000 to 0600 | 0600 to 1200 | 1200 to 1800 | | | | | | | |
| 100 | 0.1 | -0.2 | 0.6 | 0.6 | 20 | -0.1 | 0.3 | 0.8 | 1.1 | 28 | | | | | |
| 60 | -.7 | .4 | .7 | 1.1 | 14 | -.3 | 1.2 | .1 | 1.3 | 25 | | | | | |
| 40 | .6 | .5 | .1 | 1.2 | 10 | .2 | .7 | .6 | 1.5 | 15 | | | | | |
| 30 | -.8 | .6 | .9 | 1.5 | 2 | -.3 | 1.4 | .7 | 2.1 | 11 | | | | | |

TABLE XI.- AVERAGE DIURNAL AND SIX-HOUR PRESSURE-HEIGHT
CHANGES FOR SALT LAKE CITY

| Pressure, mb | January | | | | | | April | | | | | | | | | | | |
|-----------------|--------------------------------------|--------------------|--------------------|-----------------------|-----------------------|--------------------------------------|--------------------|--------------------|-----------------------|-----------------------|--|--|--|--|--|--|--|--|
| | Average 6-hour change in T, °C | | | Δph_d , ft | Number of cases | Average 6-hour change in T, °C | | | Δph_d , ft | Number of cases | | | | | | | | |
| | Time interval, G.m.t. | | | | | Time interval, G.m.t. | | | | | | | | | | | | |
| | 0300 to 0900 | 0900 to 1500 | 1500 to 2100 | | | 0300 to 0900 | 0900 to 1500 | 1500 to 2100 | | | | | | | | | | |
| 100 | -10 | 0 | 100 | 100 | 25 | -30 | 70 | 130 | 200 | 23 | | | | | | | | |
| 60 | 20 | -10 | 140 | 140 | 14 | -30 | 190 | 210 | 400 | 18 | | | | | | | | |
| 40 | 20 | 20 | 110 | 130 | 9 | -30 | 320 | 250 | 570 | 9 | | | | | | | | |
| 30 | -50 | 80 | 10 | 100 | 2 | | | | | | | | | | | | | |
| Pressure, mb | July | | | | | | October | | | | | | | | | | | |
| | Average 6-hour change in T, °C | | | Δph_d , ft | Number of cases | Average 6-hour change in T, °C | | | Δph_d , ft | Number of cases | | | | | | | | |
| | Time interval, G.m.t. | | | | | Time interval, G.m.t. | | | | | | | | | | | | |
| | 0000 to 0600 | 0600 to 1200 | 1200 to 1800 | | | 0300 to 0900 | 0900 to 1500 | 1500 to 2100 | | | | | | | | | | |
| 100 | -110 | -40 | 130 | 130 | 22 | -40 | 40 | 7 | 50 | 16 | | | | | | | | |
| 60 | -210 | -20 | 220 | 220 | 19 | | 70 | 20 | 90 | 14 | | | | | | | | |
| 40 | -320 | 60 | 260 | 320 | 19 | | 110 | 0 | 110 | 8 | | | | | | | | |
| 30 | -410 | 70 | 350 | 410 | 13 | | 0 | 10 | 10 | 5 | | | | | | | | |

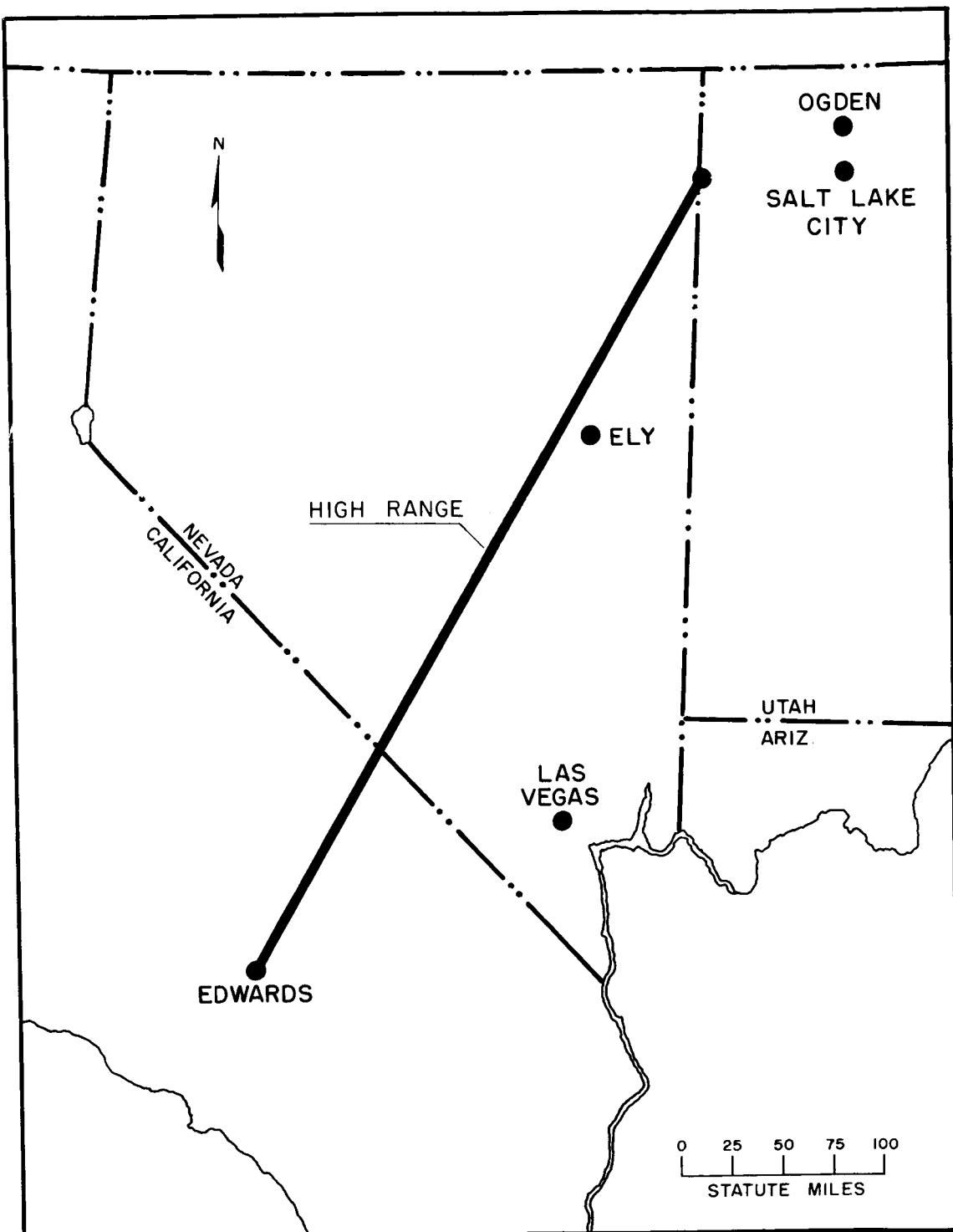


Figure 1.- Locations of rawinsonde stations with respect to High Range.

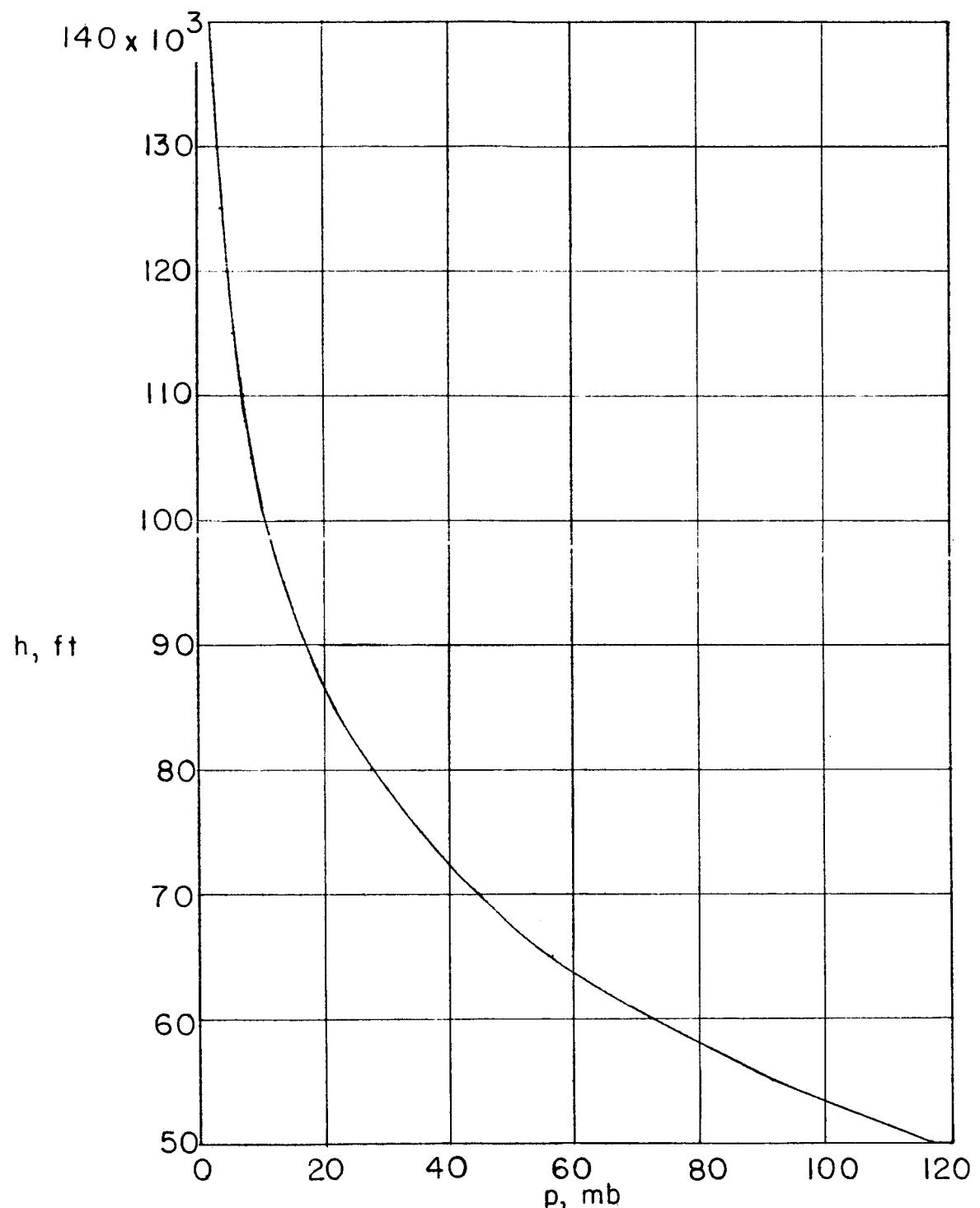
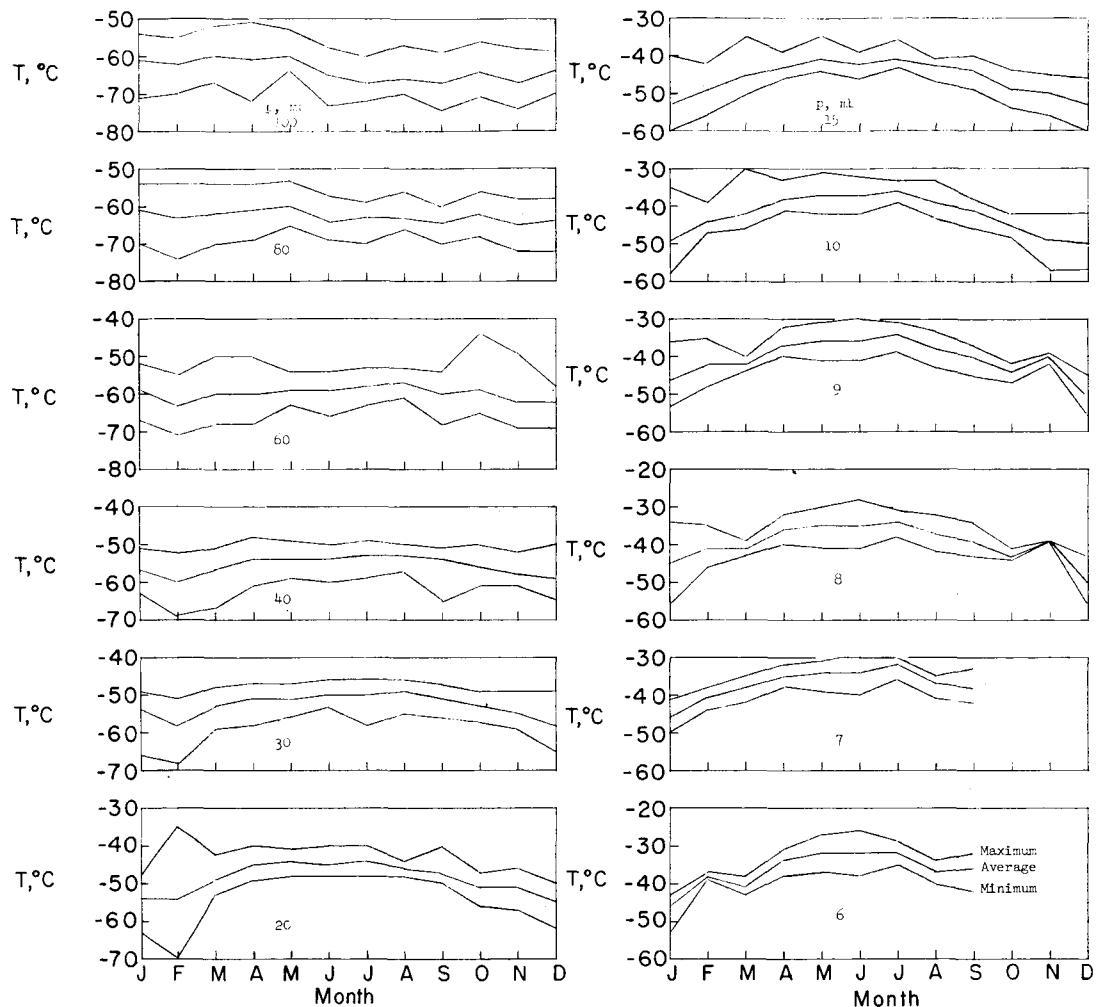
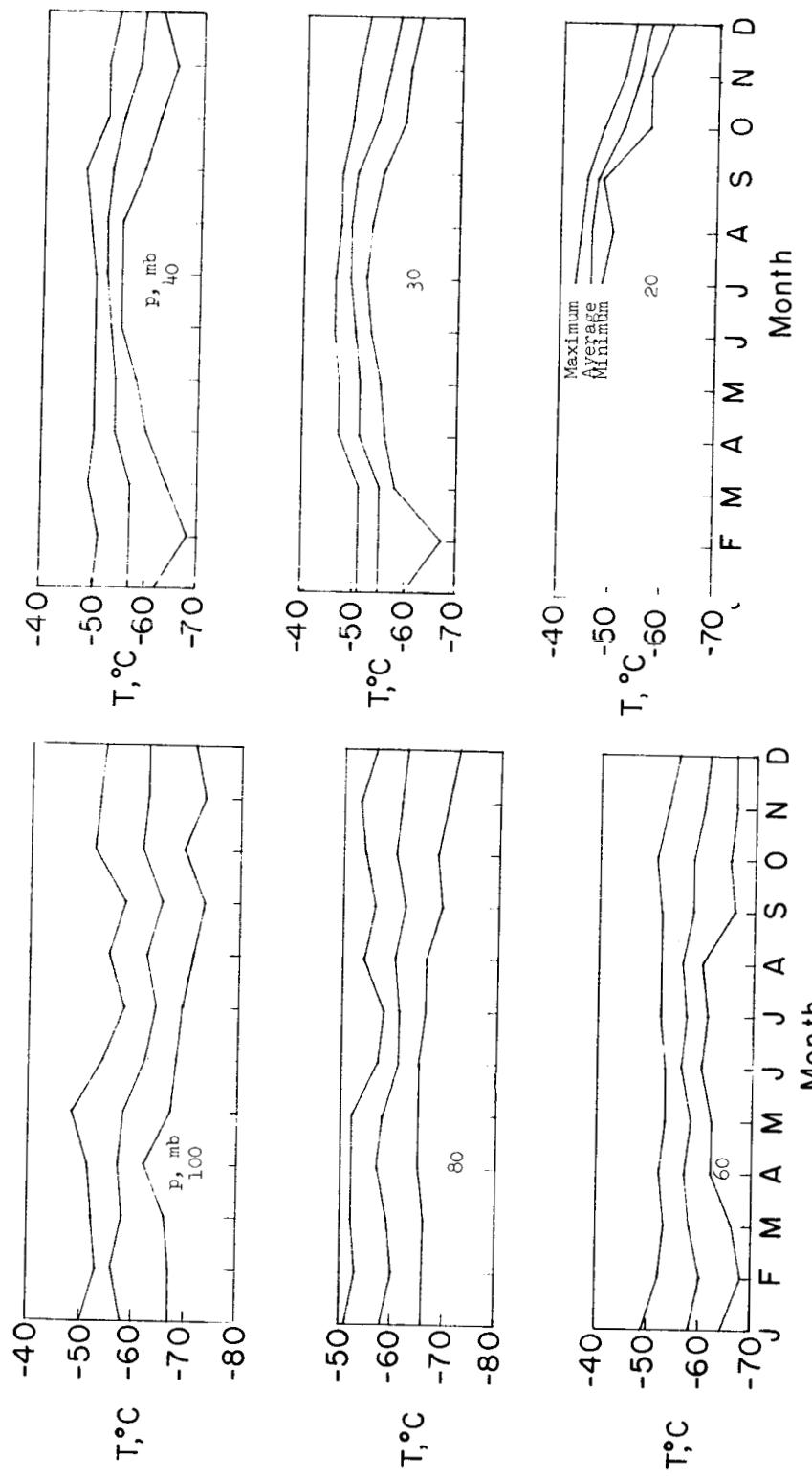


Figure 2.- Pressure in millibars as a function of altitude as determined from the U.S. Extension to the ICAO Standard Atmosphere.



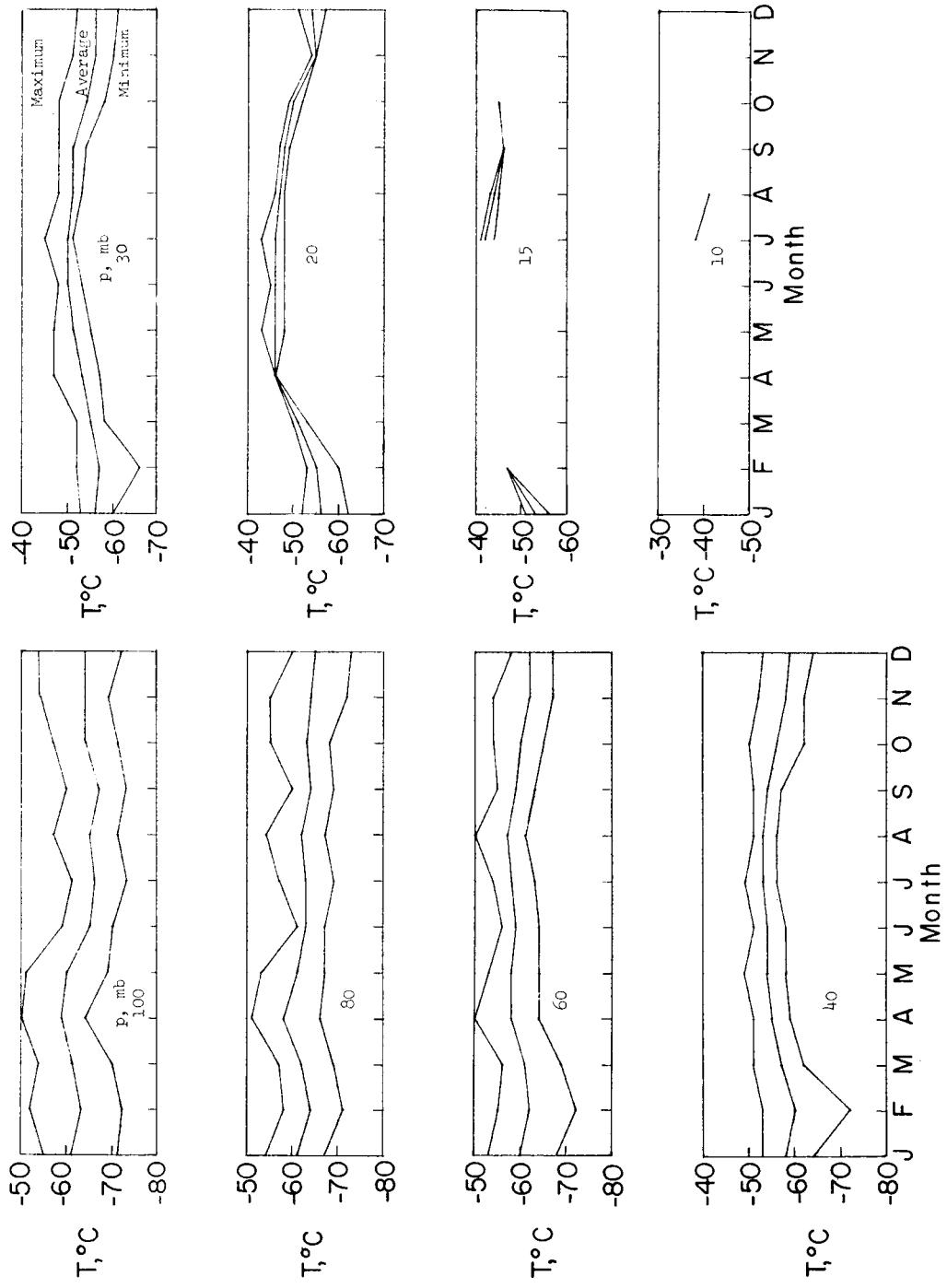
(a) Edwards.

Figure 3.- Average, maximum, and minimum temperatures for the four stations.



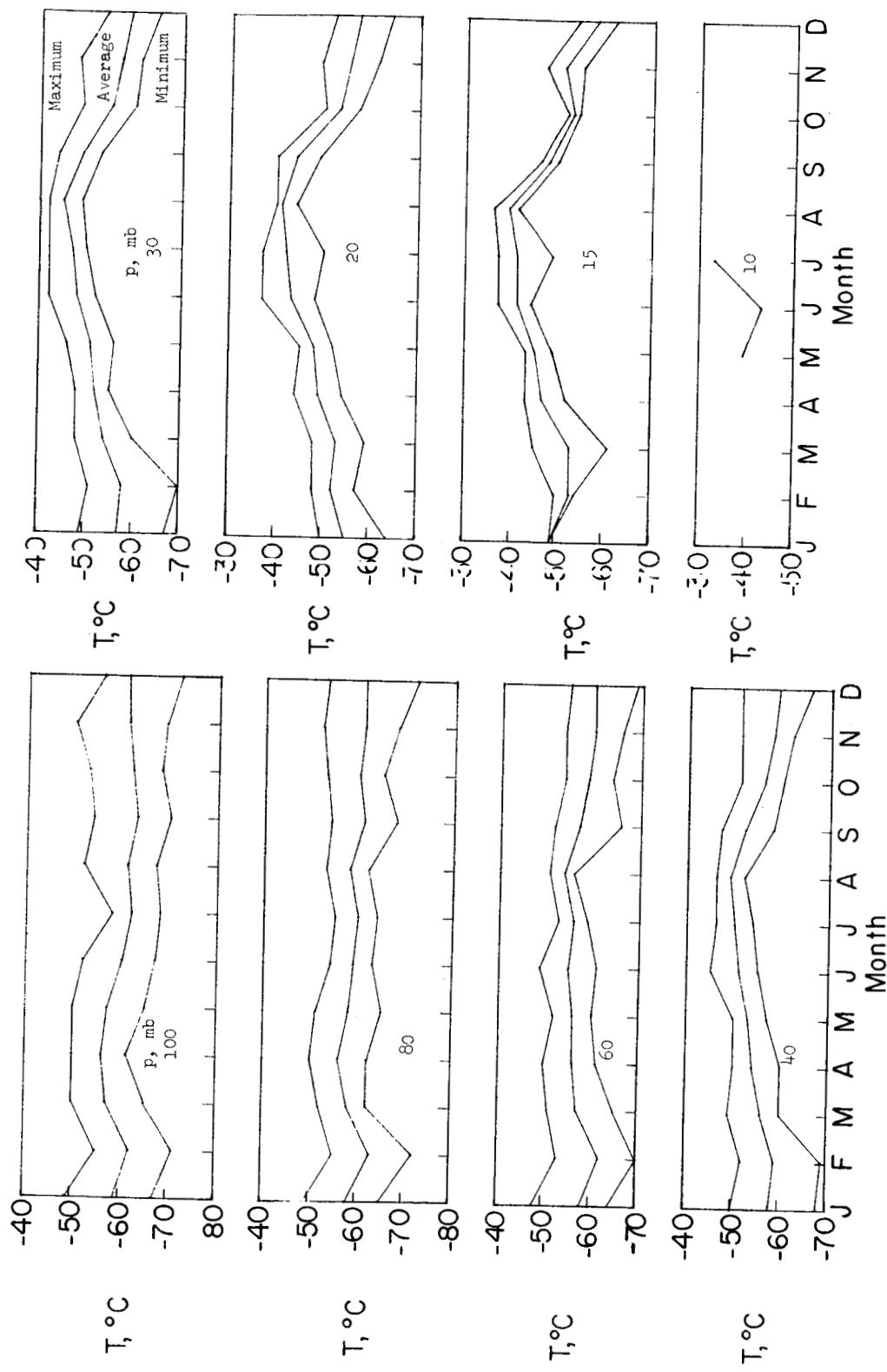
(b) Ely.

Figure 3.- Continued.



(c) Las Vegas.

Figure 3.- Continued.



(d) Salt Lake City.

Figure 3.- Concluded.

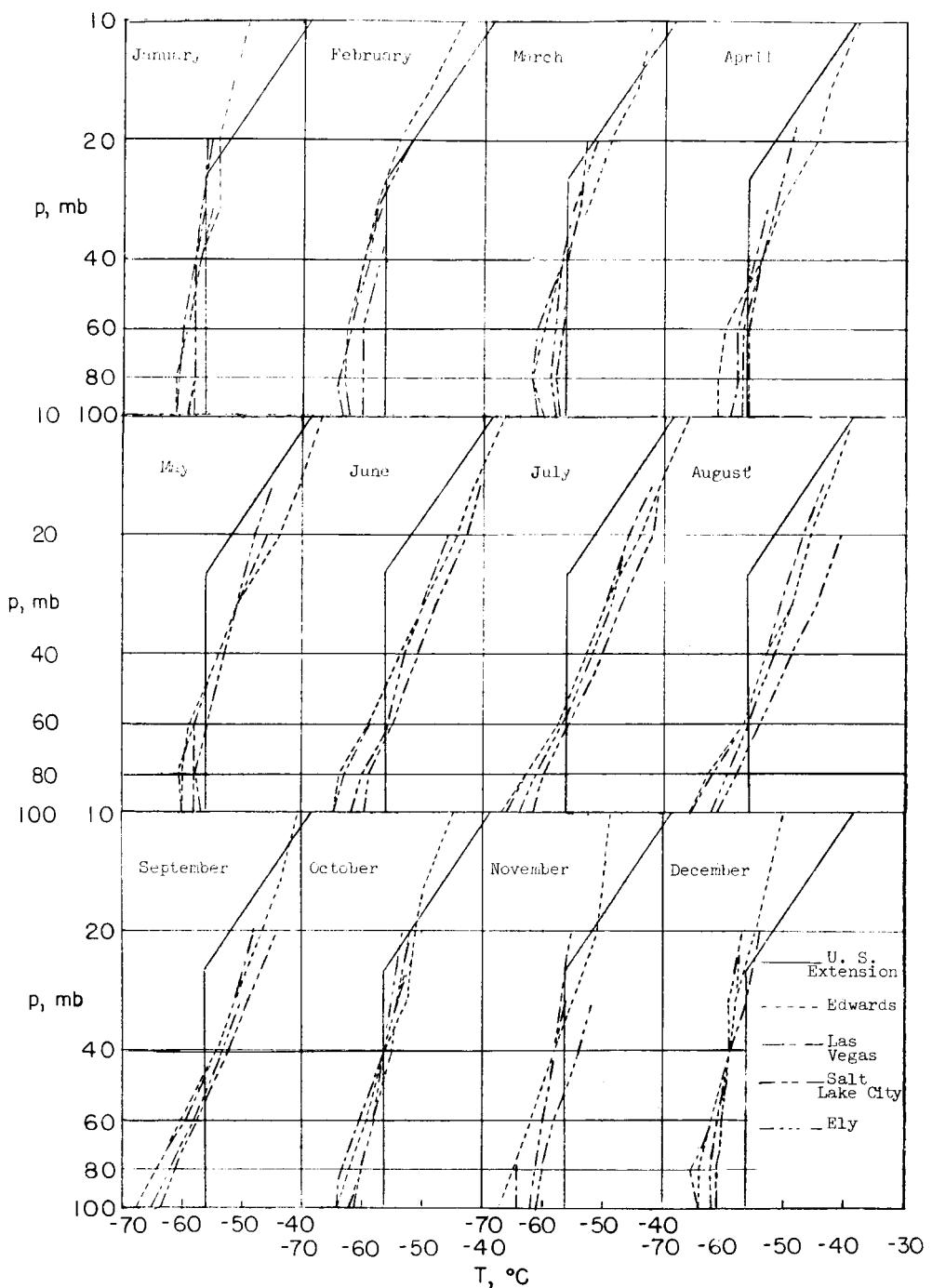
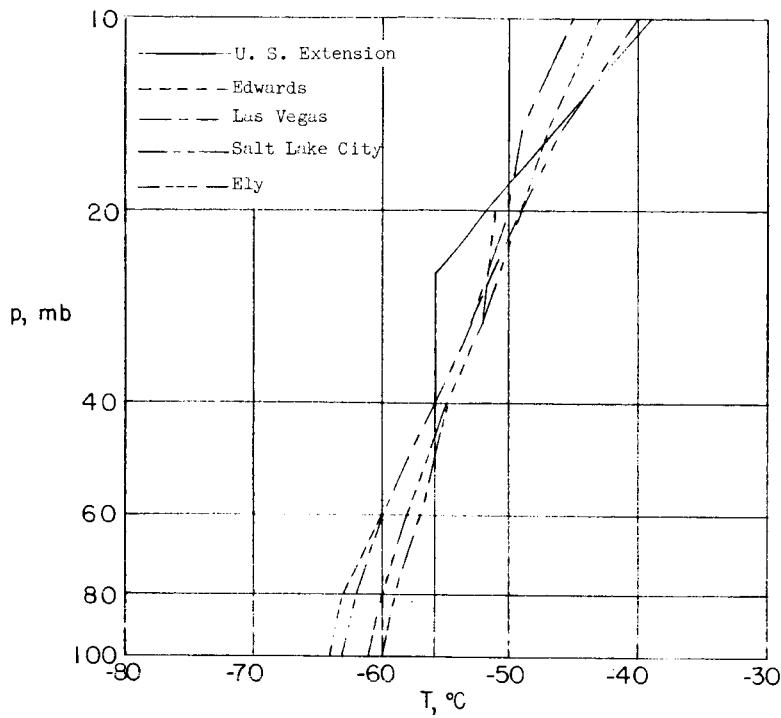
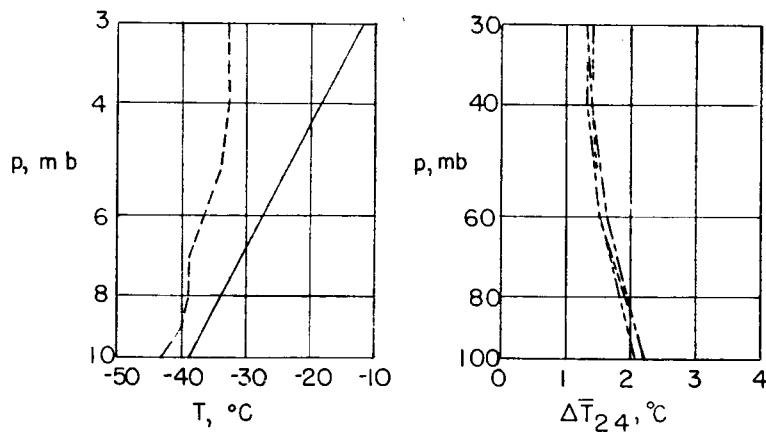


Figure 4.- Average monthly temperature soundings of the stations compared with temperatures of the U.S. Extension to the ICAO Standard Atmosphere.



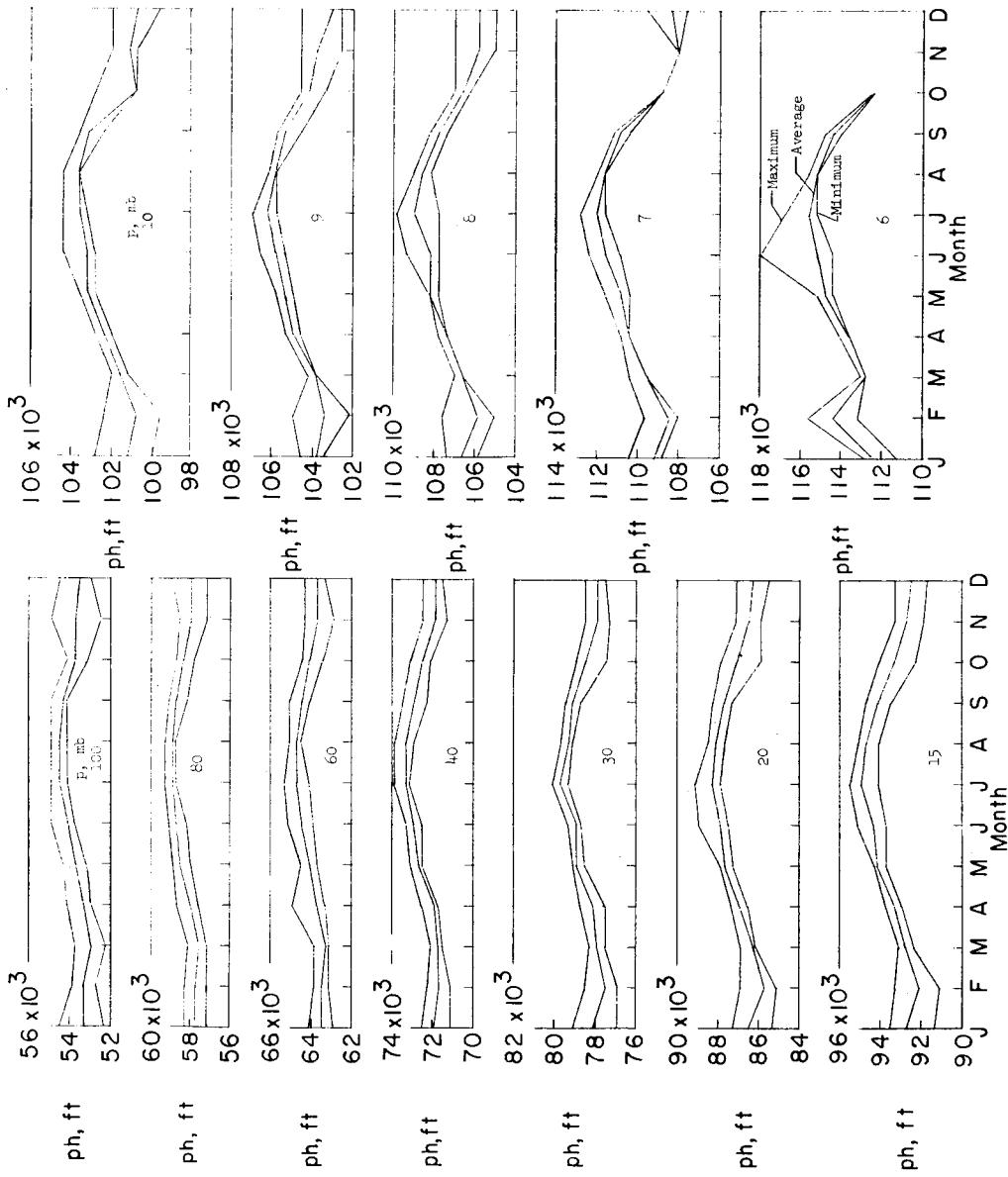
(a) Yearly average soundings to 10 millibars.



(b) Yearly average sounding from 10 millibars to 3 millibars for Edwards.

(c) Yearly average 24-hour temperature changes.

Figure 5.-- Yearly average temperature soundings and 24-hour temperature changes.



(a) Edwards.

Figure 6.- Average, maximum, and minimum pressure heights for the four stations.

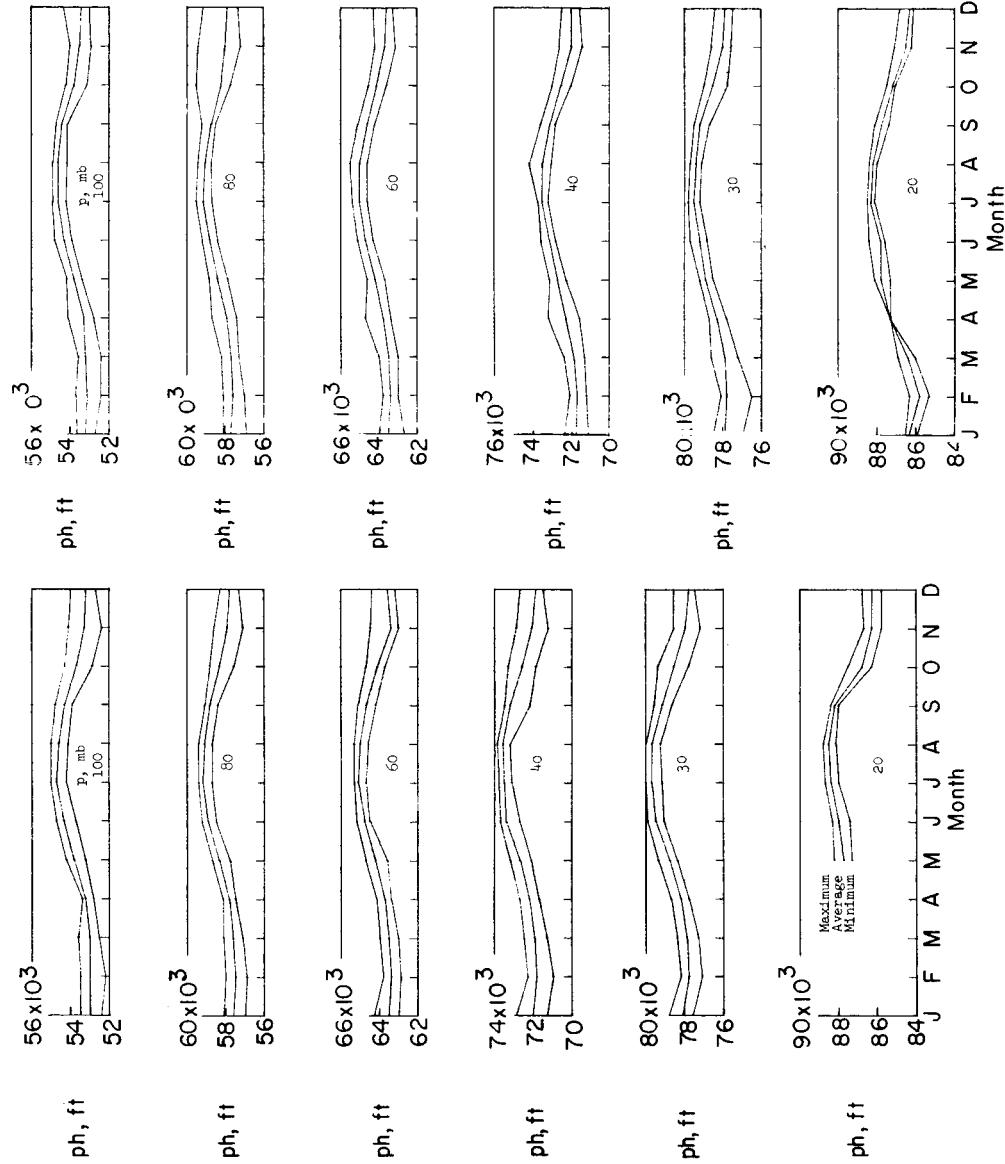
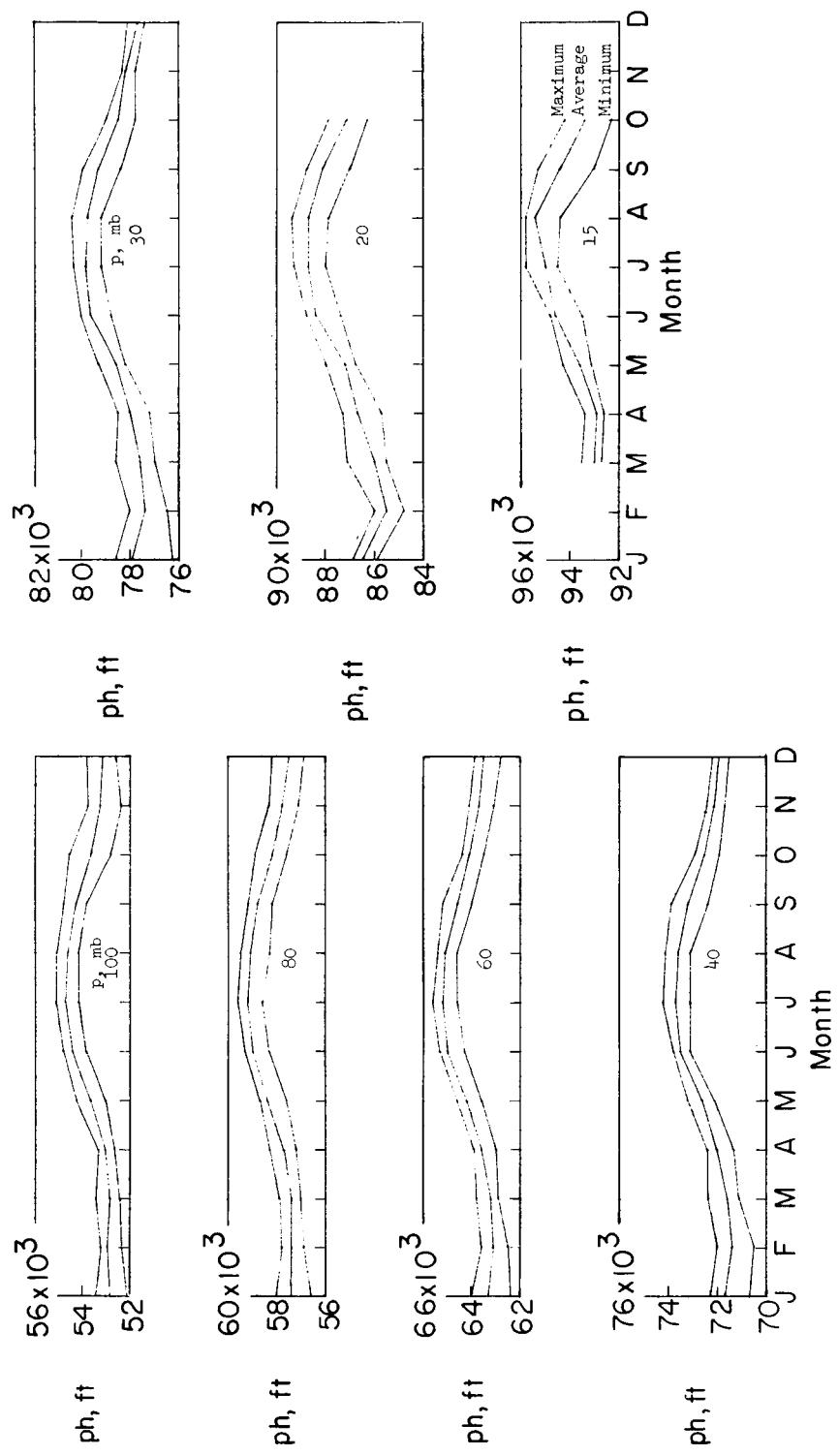


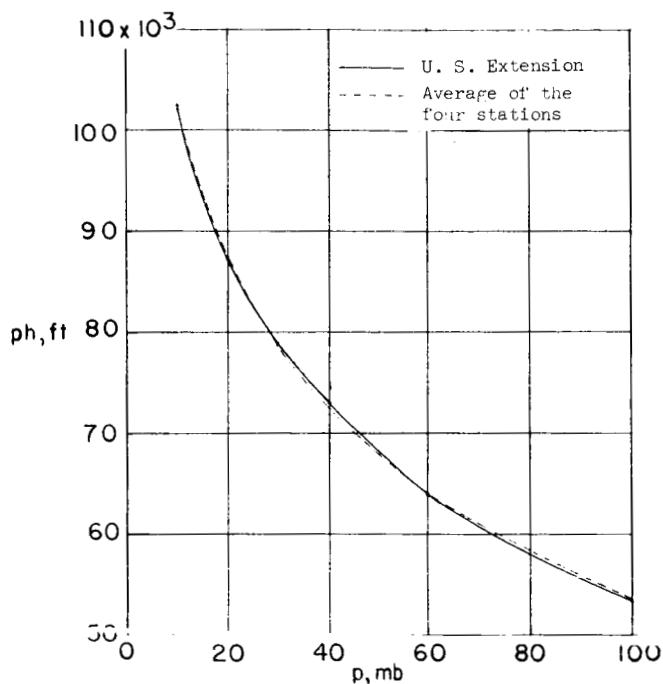
Figure 6.- Continued.

(c) Las Vegas.

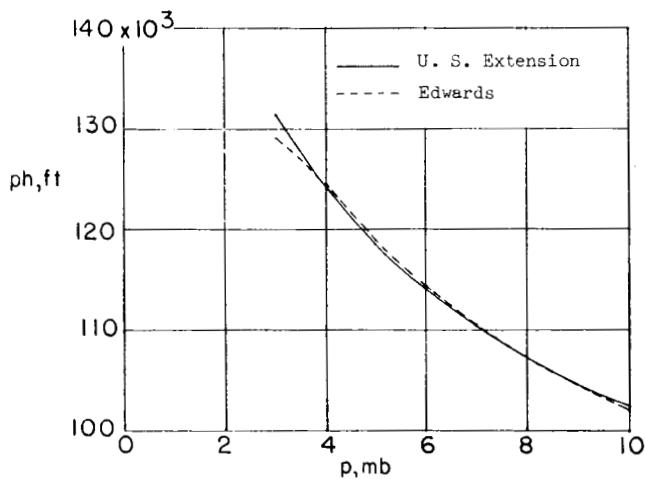


(d) Salt Lake City.

Figure 6.- Concluded.

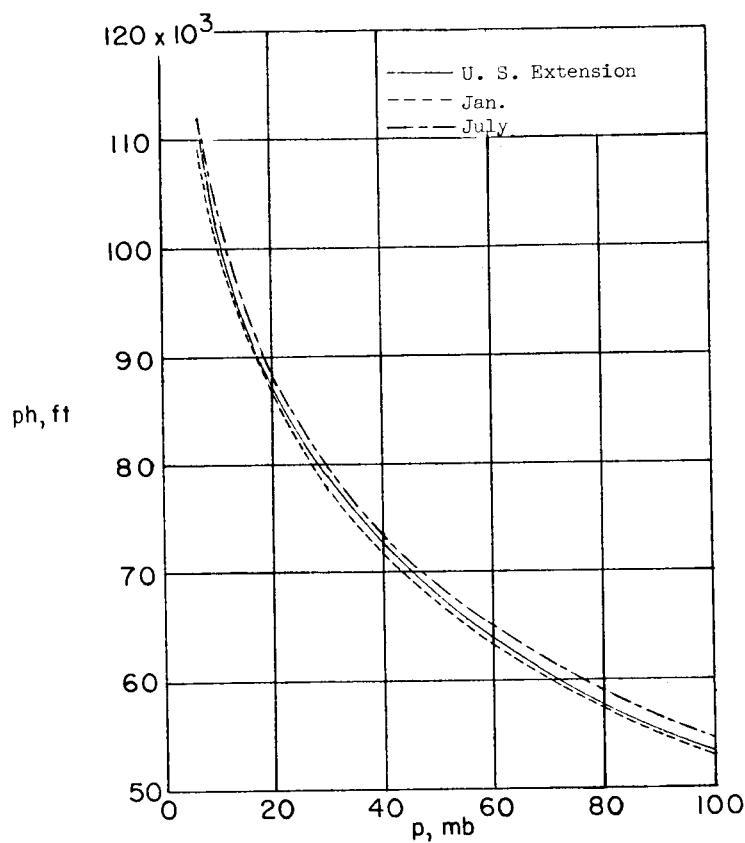


(a) Yearly average pressure heights of the four stations to 10 millibars.

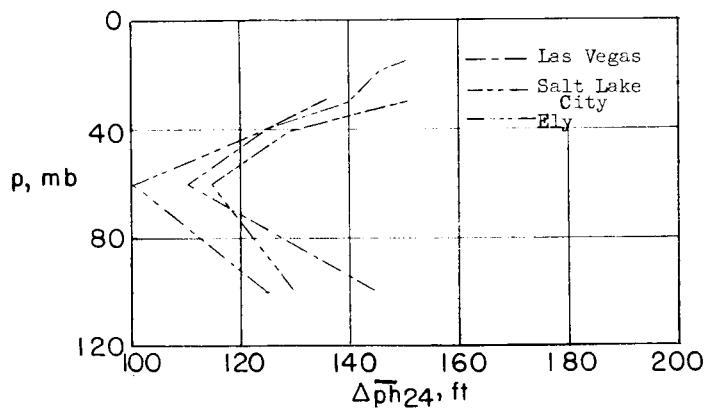


(b) Yearly average pressure heights for Edwards from 10 millibars to 3 millibars.

Figure 7.- Yearly average pressure-height curves and 24-hour pressure-height changes.

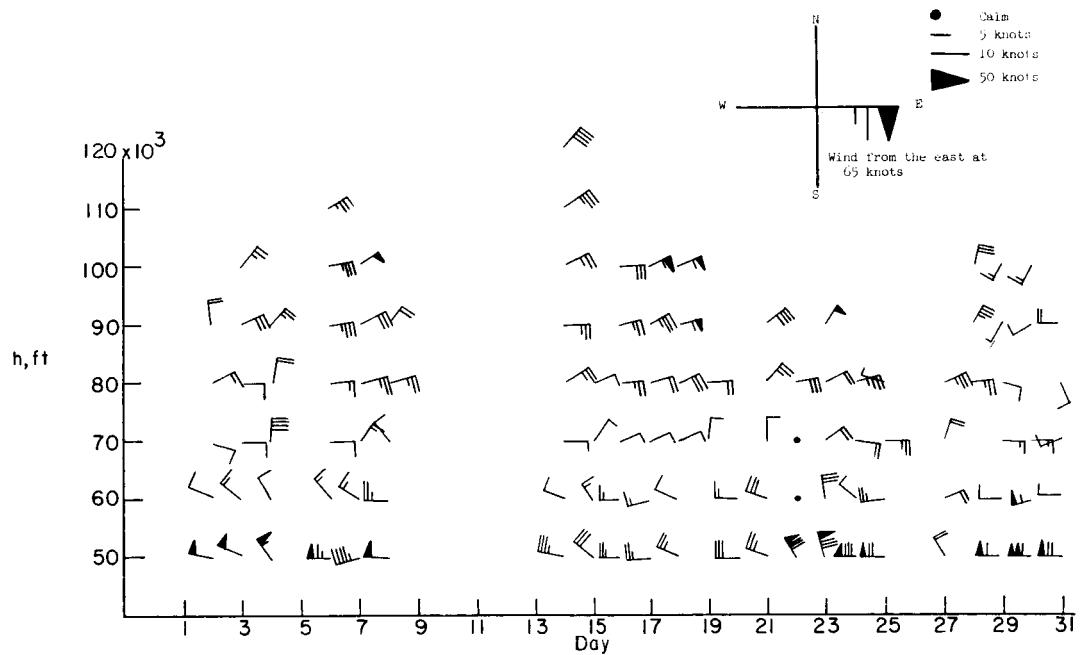


(c) Yearly average pressure heights of the four stations for January and July.

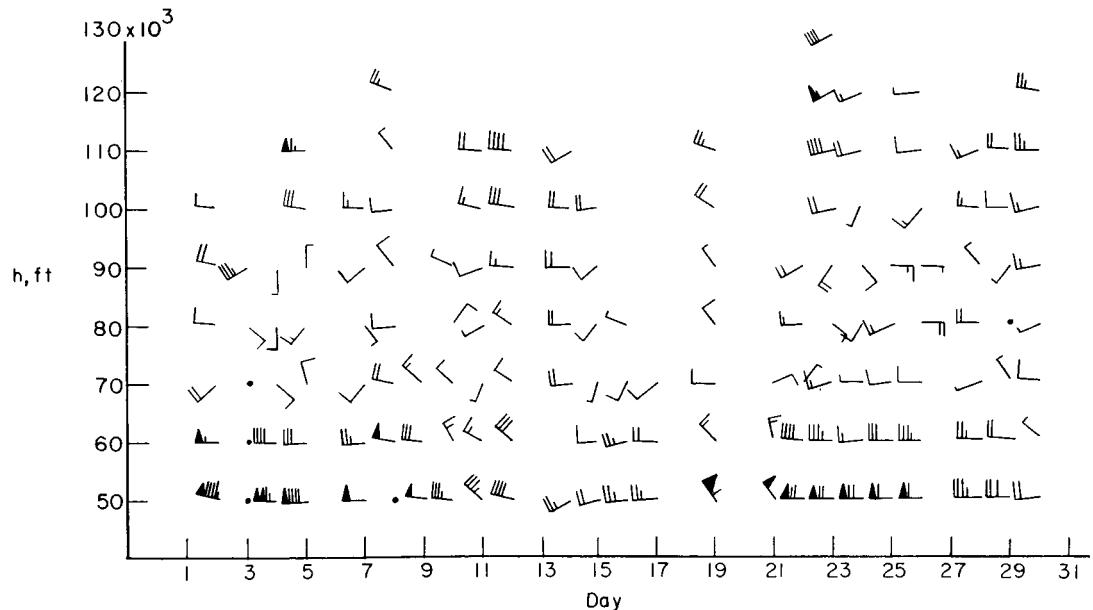


(d) Yearly average 24-hour pressure-height changes.

Figure 7.- Concluded.

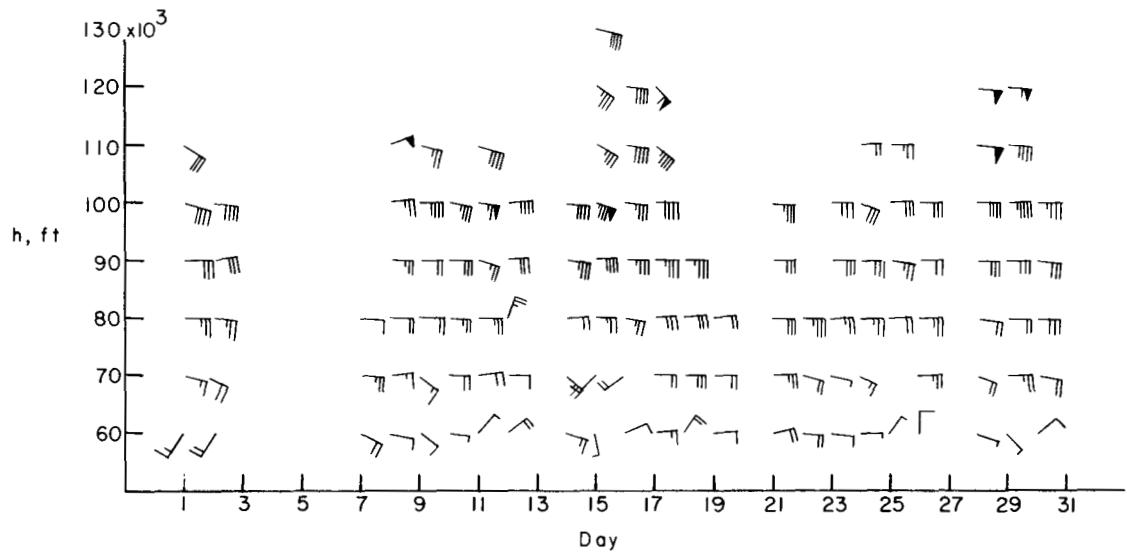


(a) January 1958.

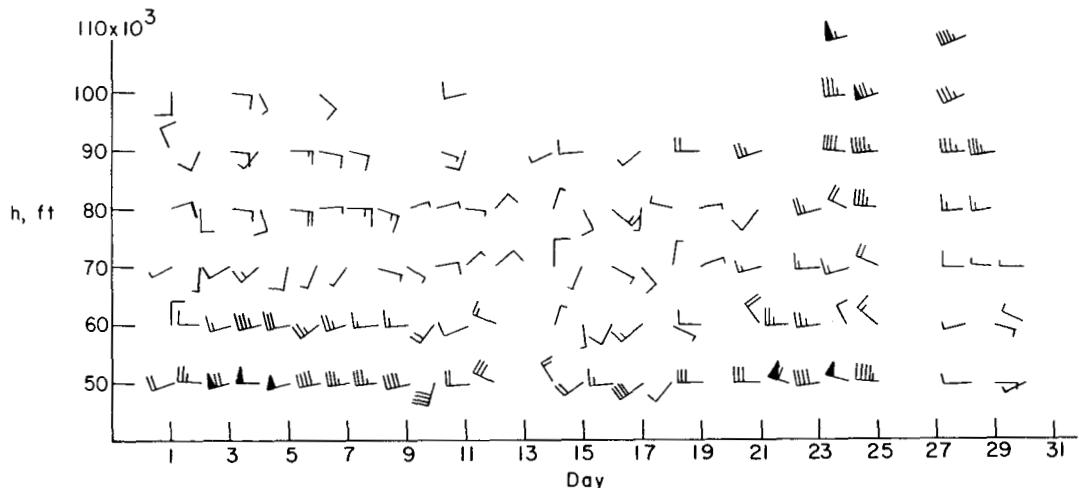


(b) April 1958.

Figure 8.- Daily winds for Edwards from 50,000 feet to 130,000 feet.



(c) July 1958.



(d) October 1957.

Figure 8.- Concluded.

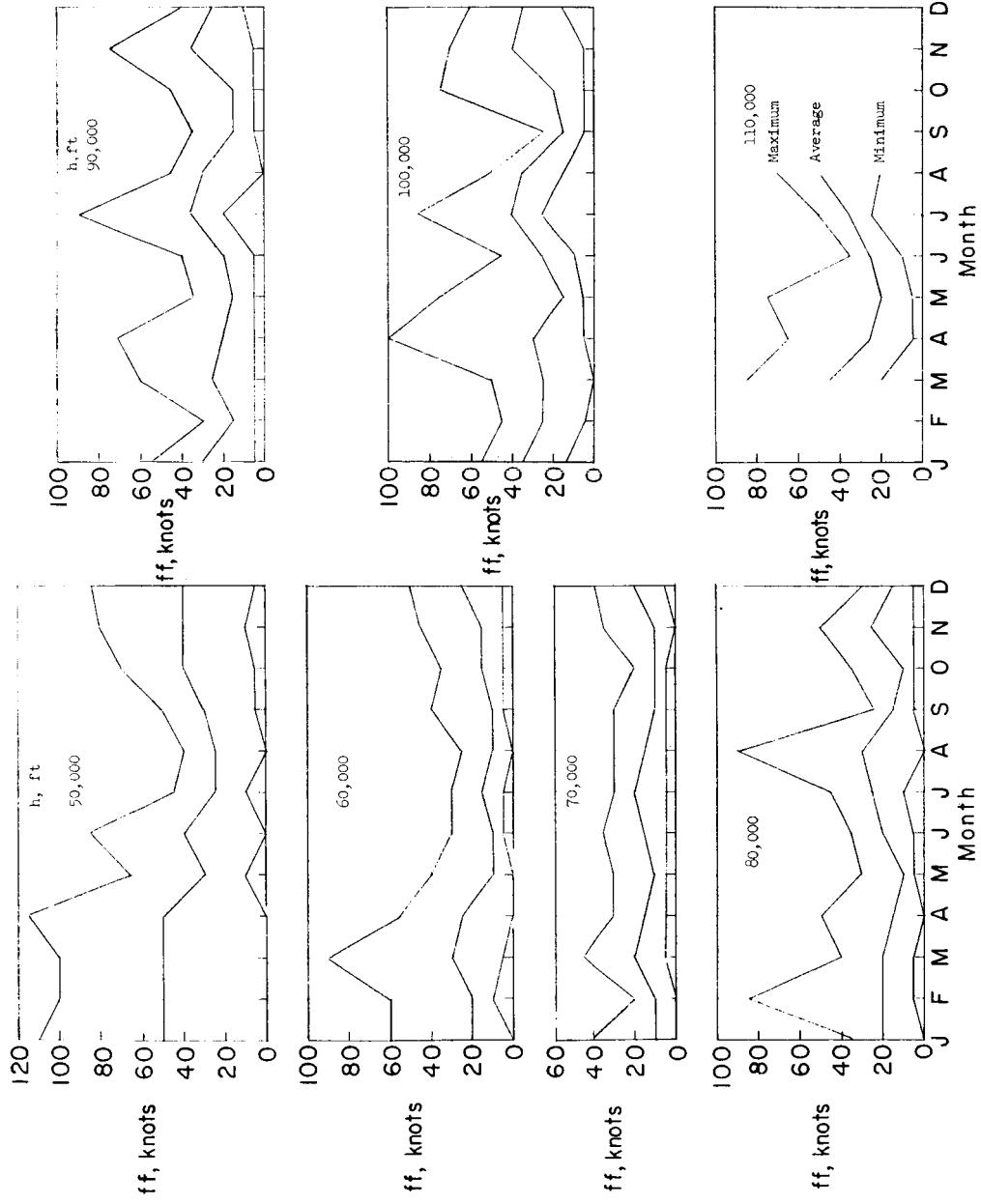
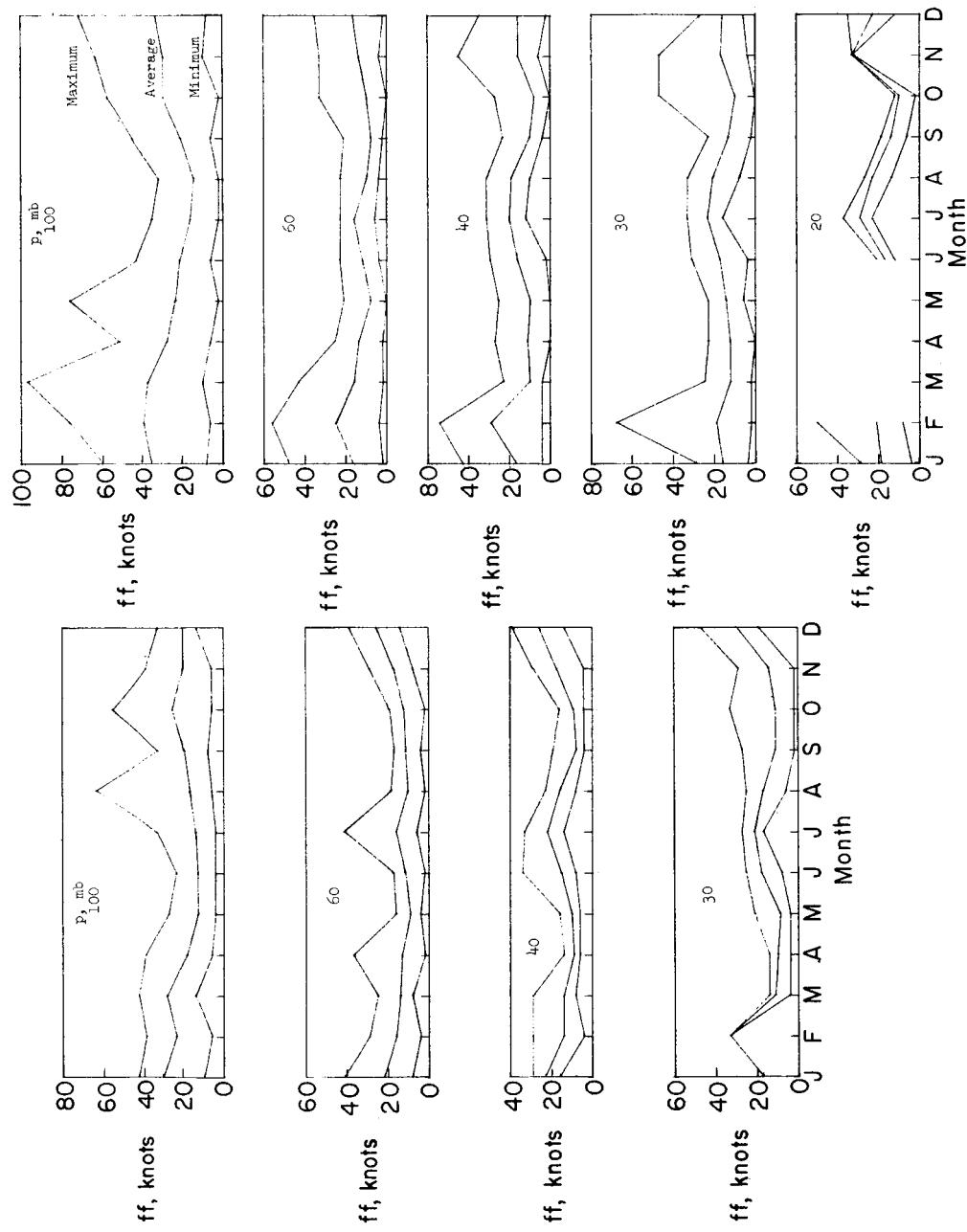


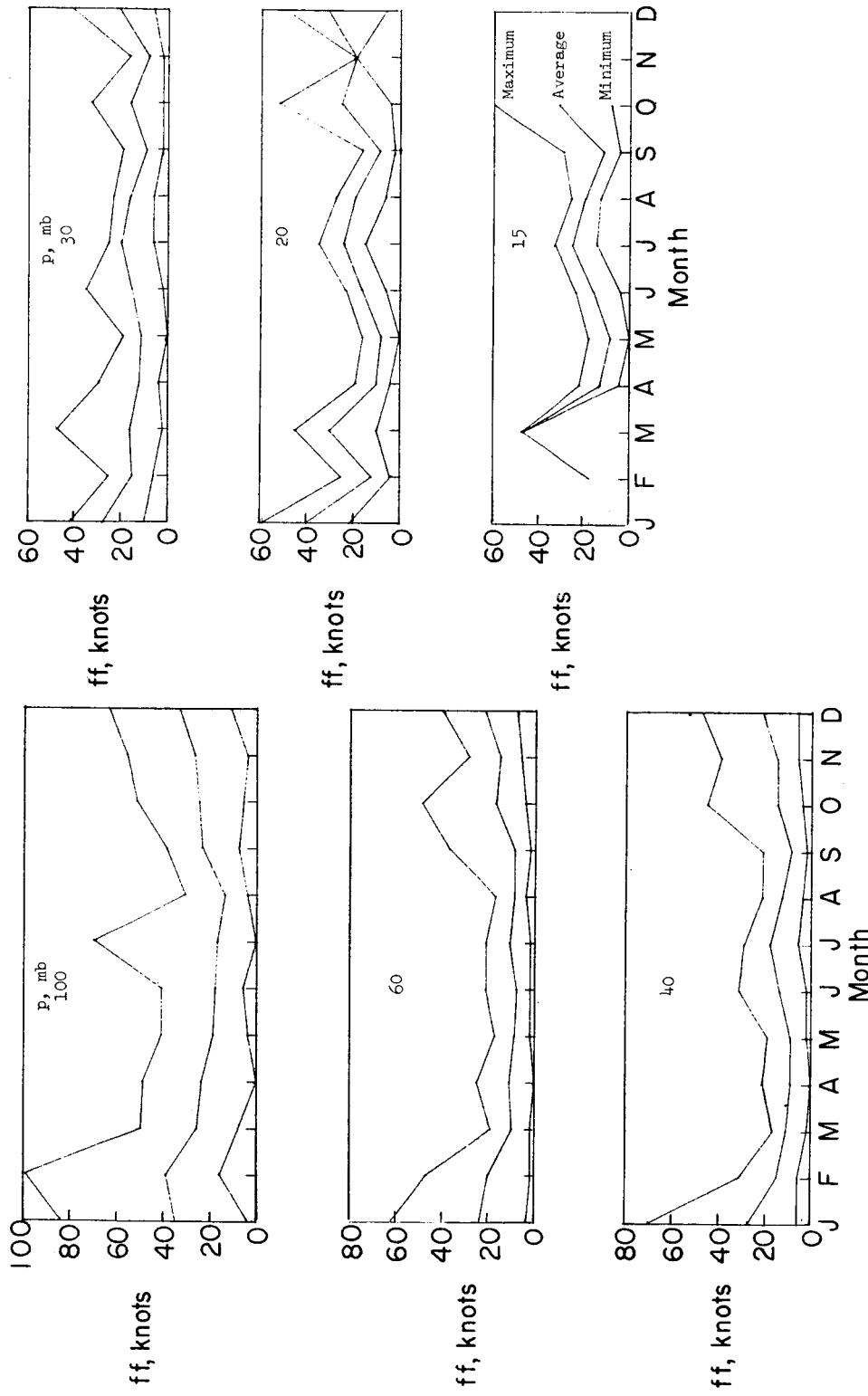
Figure 9.—Average, maximum, and minimum wind speeds for the four stations.
 (a) Edwards.



(b) Ely.

(c) Las Vegas.

Figure 9.- Continued.



(d) Salt Lake City.

Figure 9.- Concluded.

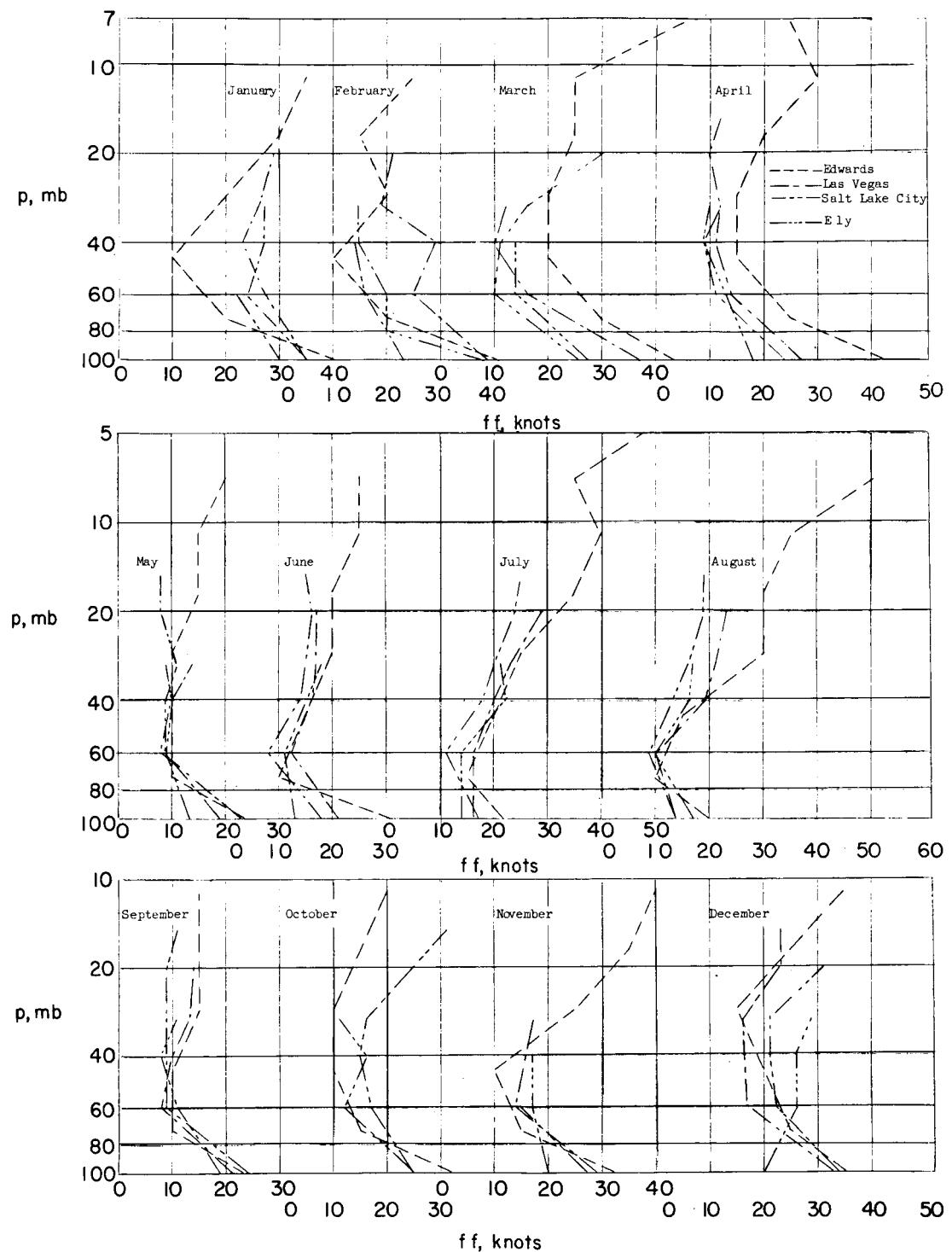
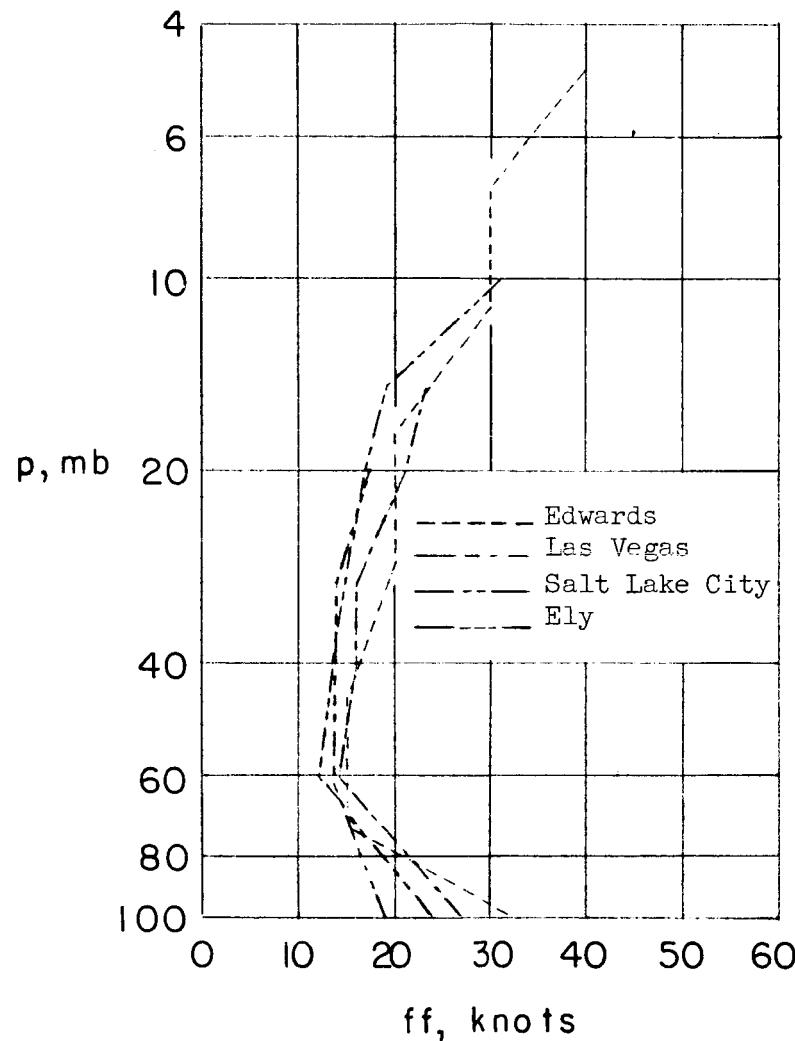


Figure 10.- Monthly average wind speeds of the four stations.



(a) Yearly average wind speeds for the four stations.

Figure 11.- Yearly average winds and 24-hour wind changes.

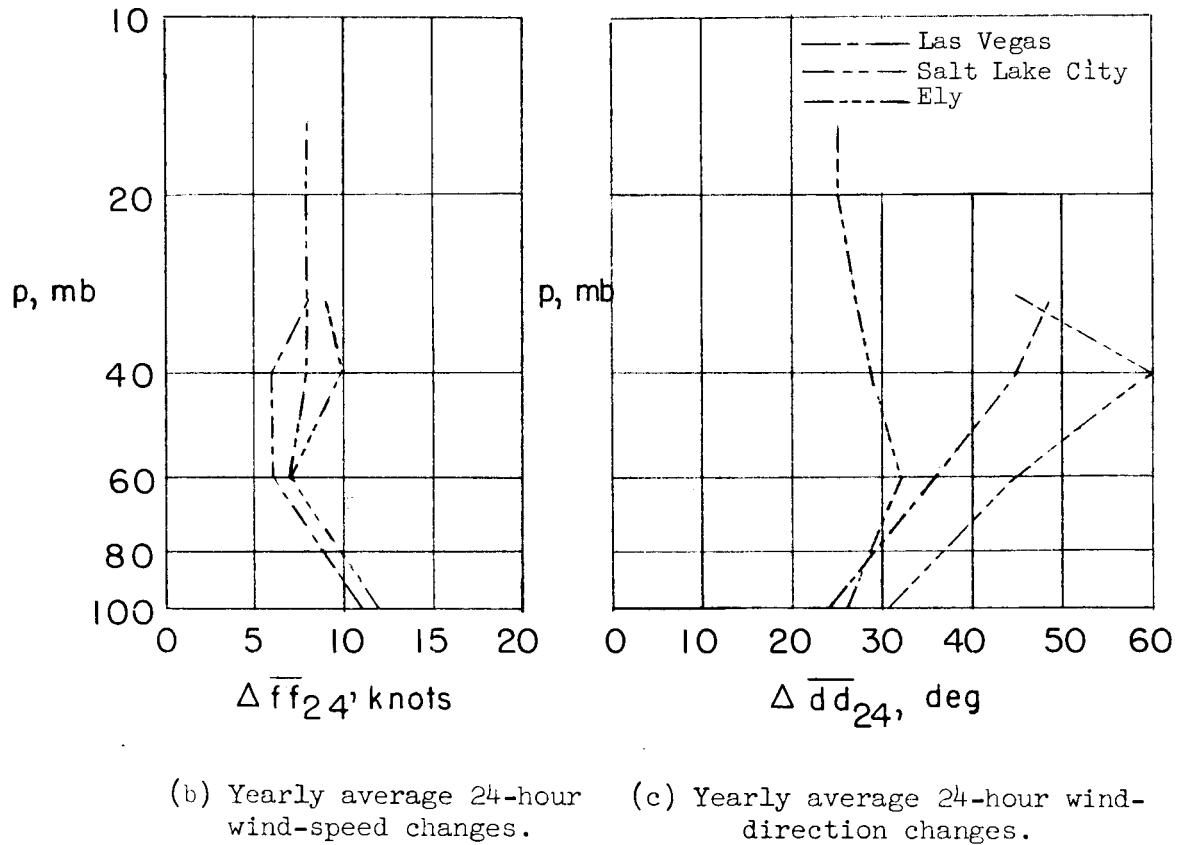


Figure 11.- Concluded.